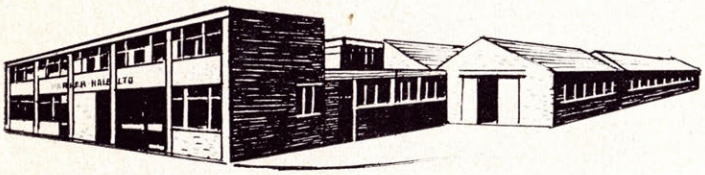
PARKER·HALE
GUN
CATALOGUE
Nº 70

PARKER·HALE GUN CATALOGUE Nº 70

PARKER-HALE LIMITED
Bisley Works, Golden Hillock Road,
Birmingham 11.
Telephone: 021-772 4275
Telegrams: Riflemen Birmingham
Telex: 338172 Safari Birmingham

Continental Office
Parker Hale GMBH Postfach 20854
3 Hannover Linden W Germany



directors

S C Hale	Chairman & Technical Director
J B Le Breton M I M S M	Managing & Sales Director
Alfred C Hale	Liaison
L J Scandrett M I Ex	Finance & Export Director
John M Hall A C A	Company Secretary

sales executives

R C Hale B A	Export Sales Manager
E M Nellist	Home Sales Manager
L R Cottrell	Sales Promotion Manager

PARKER-HALE REPORT!

EXPANSION AT PARKER-HALE

It is barely realised by the vast majority of people both in Britain and abroad that the production of sporting rifles in the U K dwarfs the manufacture of shotguns The reason for this anomaly is that approximately 99% of all these rifles are exported and so do not make their impact felt on a predominantly shotgun motivated home market

Parker Hale has become the largest producer of sporting rifles in the United Kingdom The Company is rapidly expanding its rifle production in anticipation of an increasing demand for its rifles in all markets and particularly in the highly competitive United States and Canada

In some countries Parker-Hale find it necessary to make concessions to national preferences in the characteristics of their rifles In America shooters like their stocks to be highly polished with rosewood embellishments In Canada they prefer cliploading to integral magazine whilst in Sweden it must be an oiled Walnut Stock with a black bolt and again in Germany double set trigger mechanisms brazed on sights are essential to the specification

AMERICA BUYS THE PARKER HALE SUPER

The Parker Hale Safari Super Mauser actioned centre fire rifle has become something of a world best seller amongst sporting rifles and has recently been launched with great success in the United States where it has received an extremely good "press" Amongst the various reviews accorded it was a fine one from the famous shooting expert and Shooting Editor of *Guns & Ammo* Elmer Keith who summed up the Parker Hale Super as "One hell of a good rifle" *Sports Afield* Magazine were "Very much impressed with its appearance and performance" and *Western Outdoor* Magazine assessed it as "A sound investment" whilst *Guns and Hunting* enthused that "Parker-Hale have scored a great big plus" All of which has created tremendous interest in Parker Hale rifles resulting in a whole year's output of a new engraved version being snapped up in only a few weeks The Parker Hale Super has a roll over walnut stock a wundhammer palm swell for firmest grip rosewood contrast at fore end tip and grip cap and skip checkering It is available either with CLIP loading (model 1200C) or with a hinged floor plate magazine (model 1200) Other main features include a streamlined Mauser action drilled and tapped receiver an 18 carat gold plated adjustable single stage trigger and a side safety that locks trigger sear and bolt The barrel is cold forged from best quality English barrel steel Like other Parker Hale "Safari" rifles the Super is offered in a wide range of calibres and maintains the "Safari" tradition for fine craftsmanship and value for money

RETIREMENT OF ARTHUR HALE

After seventeen years as Chairman and Managing Director of Parker Hale Limited Mr Arthur C Hale decided to retire at the end of March 1969

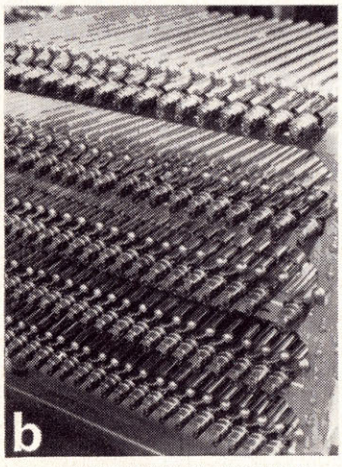
However he has not severed all links either with the Firm or with the shooting world which continues to hold his main interests

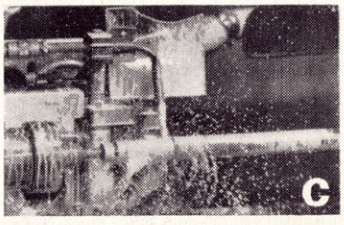
He was succeeded in the Chair by his brother Mr S C Hale with Mr J B Le Breton as Managing Director

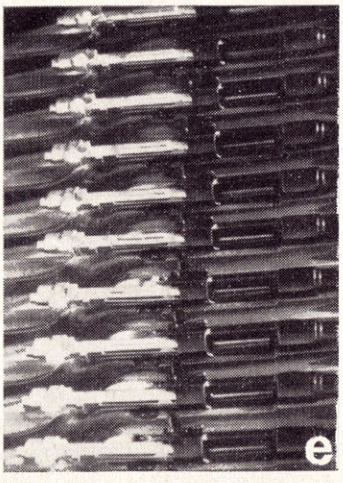
PRODUCTION TECHNIQUES

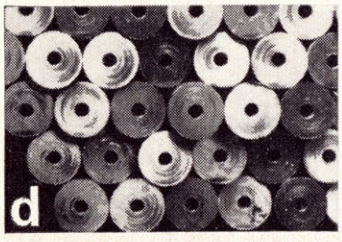
Employing over 180, the firm is constantly improving its production techniques in order to maintain quality and reliability in its products. The accent has always been on value, and in order to maintain low prices in the face of rising production costs, the firm has invested in the most modern machinery.

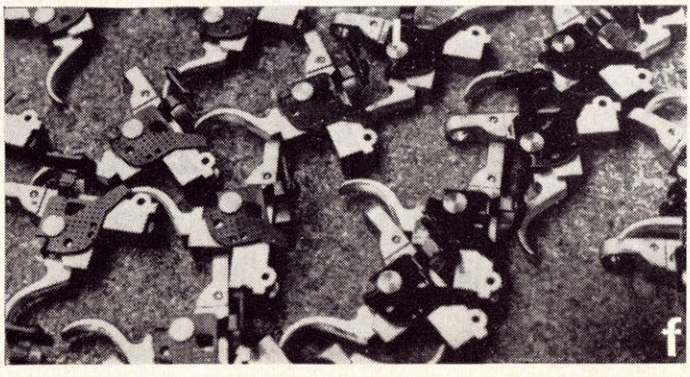
Parker-Hale's production line is a far cry from the traditional methods of the gun trade, where craftsmanship without the aid of machinery was the order of the day. Craftsmen, however, are still needed to ensure absolute accuracy and reliability, and Parker-Hale is proud of its long tradition in this field. Every rifle is hand fitted, test fired and double checked before despatch.



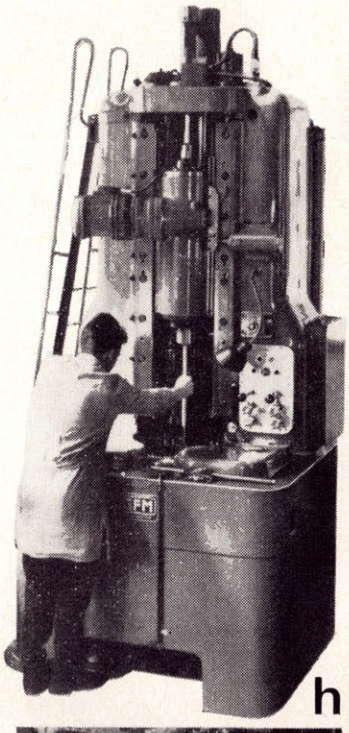


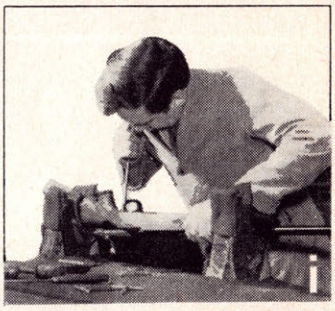


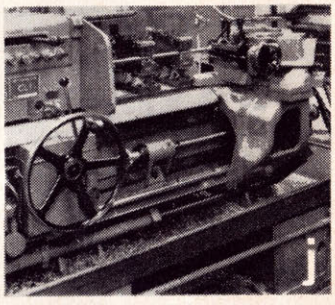


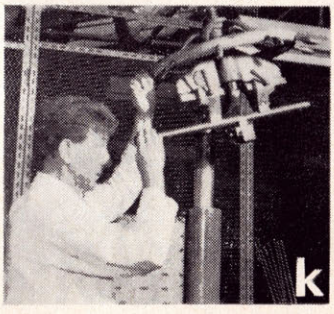


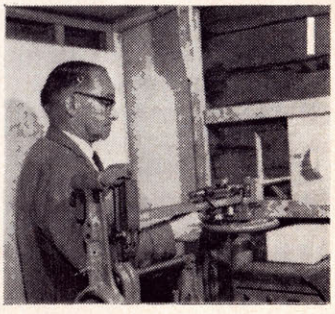
a Trigger mechanism assembly line
b Barrels/actions awaiting fitting of sights
c High speed copy turning of barrel blank prior to forging
d Barrel blanks
e Parker-Hale 'Super' Rifles
f Assembled trigger mechanisms











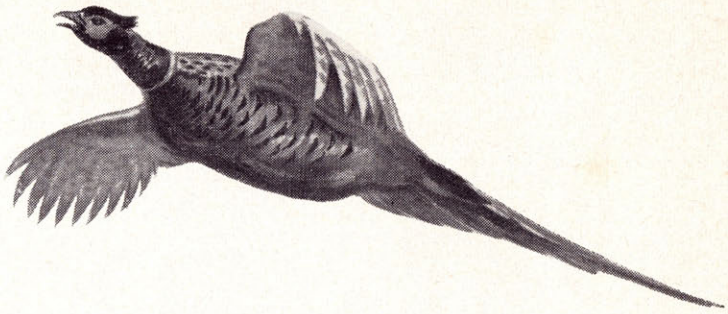
g Stock fitting
h Cold forging of barrels: this machine produces perfectly finished rifling in one operation. It increases the tensile strength by about 5-10% and considerably increases barrel life
i Checking tightness of stock screws
j Barrel profiling machine
k Barrel straightening
l Accuracy testing of target barrelled actions from machine rest

contents

Magazine Section	3
Rifles	30
Shotguns	53
Pistols	66
Airweapons	77
Rifle Sights	82
Telescopic Sights	93
Spotting Scopes	110
Ammunition	116
Cleaning Aids	139
General Accessories	163
Target Accessories	200

SEASONS

(ALL DATES INCLUSIVE)



Game	Seasons
Grouse	August 12th — December 10th
Ptarmigan (Scotland only)	August 12th — December 10th
Black Game	August 20th — December 10th
Partridge	September 1st — February 1st
Pheasant	October 1st — February 1st
Hares	No close season, but on moorlands and unenclosed lands hares may be shot by the occupier and persons authorised by him between December 11th (July 1st in Scotland) and March 31st only.

Furthermore, hares may not be sold or offered for sale during the months of March to July inclusive.

In England and Wales it is illegal to shoot any of the above on Sundays or on Christmas Day.

Residents in Northern Ireland and Eire should refer to local sources for dates of game seasons.

Protection of Birds Act 1954

This Act makes it illegal to shoot certain birds at any time of year; others (including rooks, starlings, magpies, jays and woodpigeon) may be shot by authorised persons at any time except on Christmas Day (in Scotland) or on Sundays (in Scotland and in those areas of England and Wales where Sunday shooting has been expressly forbidden by order of the Secretary of State).

In addition, this Act provides that certain other wild birds may be shot only during the open Season relevant to them; wild birds falling into this category include the following :—

Capercaillie	October 1st — January 31st
Snipe	August 12th — January 31st
Wild Duck and Geese. In or over areas below high water mark of ordinary spring tides	September 1st — February 20th
Elsewhere	September 1st — January 31st
Woodcock	
In England and Wales	October 1st — January 31st
In Scotland	September 1st — January 31st

The open seasons may, however, be further restricted in any area specified by order of the Secretary of State, and if there is any doubts as to whether such an order is in force locally, it is wise to make enquiries at a Police Station in the neighbourhood.

Somewhere to Shoot

Tony Jackson looks at the beginner's problem

The biggest problem facing most youngsters who would like to shoot is finding somewhere to start or someone to advise and assist them. All too often it is a case of the blind leading the blind with consequent frustrations on both sides leading to general disillusionment, and, occasionally, poaching affrays or trouble of a similar nature with the law.

Let's consider the case of a youth who, perhaps, lives in a city or its suburbs and whose parents have no sporting traditions or real interest in the countryside. Assuming that he has acquired an interest in rural affairs, and probably, through reading, has gained some superficial knowledge of the various field sports, he may decide that shooting is the thing for him and his first reaction will probably be to scan the advertisement pages of the various shooting magazines to find a gun to meet his pocket. This is undoubtedly the worst mistake to be made, for as yet he has nowhere to discharge the gun, and will probably be bewildered by talk of full chokes, long ranges and heavy loads and may acquire a weapon which is totally unsuited to his strength or purpose.

The first principle for the potential young shot is *not* to buy a gun. This can, when he has gained more experience and the guidance of established shots *and* somewhere to shoot, be swiftly obtained. In the initial stages it is the least essential item of equipment.

PARKER HALE LTD., BIRMINGHAM 11

Somewhere to Shoot

(continued)

The problem facing our tyro sportsman can now be approached along two different lines. He can try to obtain shooting on his own account by simply asking or advertising (and I am here assuming that the depth of his purse precludes the purchase of a gun in a syndicate) or he can join a wildfowling or clay pigeon club.

The first approach is, if it pays off, probably the more satisfactory. He will have somewhere of his own to shoot and may, if he is of a pleasant disposition and intelligent, extend the shooting as his reputation for honesty and safety is bruited by the farmer. However, as so many people have found out this can be little more than a heart-breaking tour of farms with a blunt refusal at every gate, a state of affairs which may engender bitterness and disbelief when he hears that farmers are being beseiged by woodpigeon. But how has he gone about the initial approach?

I live on a farm and am occasionally faced with this situation. Invariably the applicants have been carrying guns and, in one or two cases, have looked like refugees from an abortive revolution ! No farmer in his right mind is going to permit a stranger of whom he knows nothing and of whose qualifications he is totally ignorant, to wander at liberty across his land with a gun.

It is far better to try and make some contact with the farmer through a mutual acquaintance and, although this may present difficulties, it is often possible to strike up a friendship with one of his workers or a keeper who may put in a good word. The keeper can often be the key to the problem. He is usually only too pleased to consider recruits to the beating line in the winter, and such an opportunity will probably lead to invitations to participate in vermin shoots when the shooting season is over. Contacts will be made, and by asking judicious questions and making it clear that you are willing to learn, you will undoubtedly find yourself invited to take part in all sorts of sporting activities.

This is one approach and calls for a certain self-confidence to make the initial breakthrough. The other method – joining a club is likely to be more certain, though the end results *may* not be so satisfactory.

Most wildfowling clubs now have junior sections and it is certainly well worth trying to join one. You will, apart from any other benefit, probably come under the guidance of an experienced member who will be willing to assist you in the choice of a gun and who may take you on the foreshore or club shoot to give you some bird identification and an insight to what goes on.

Clay pigeon clubs should also be considered for, although they may not provide live bird shooting, the novice will have the opportunity to come under the tuition of experts. He will learn the rules of gun-handling and safety and can assess the merits of various weapons in action, so that his choice can be influenced by practical experience,

Summing up, then, I would advise any youngster who is trying to "break through" in the shooting world to obtain as much information as possible on the background of shooting. Hundreds of books have been written over the past hundred or so years, many of which contain information which is still relevant today. There are also numerous bird books whose illustrations should be closely studied, and, along the same lines, a visit to a museum with a *good* collection of mounted birds can be extremely useful. Membership of WAGBI and the BFSS goes without saying, and a shooting man who today fails to support his "trade unions" is not merely short-sighted but also extremely selfish, for he is relying on a minority to protect and sustain his interests.

Reproduced by courtesy of "Shooting Times"

SHOOTING ORGANISATIONS
that you can join

If you are a complete tyro, with a desire to enjoy shooting, the best way to go about it is to send for their literature to the various organisations that exist to encourage the beginner and to assist the older hands. You will find below a fairly comprehensive list that covers at least the popular forms of shooting activity in Great Britain. Similar organisations exist overseas, and as a result of the free interchanges that occur between these various bodies it is widely felt that a genuine fraternity has developed amongst shooters and especially between target marksmen throughout the civilised world. Unlike other sports, International Shooting Competitions never appear to have any detrimental effect on international relations; new friendships are made and cemented, resulting over the years in an ever greater accuracy and efficiency in the firearms that we are able to offer to a discerning public.

The British Field Sports Society
137 *Victoria Street, London, S.W.1.*
Life Membership £50.
For any sum of £1 or more any field sportsman may become a Voting Member of the Society.
Subscribers of less than £1 do not receive an annual Report or Newsletters but members so subscribing may wear the badge of the Society, purchase its publications and seek advice.
Objects: 1) Generally to assist every branch of Field Sports and the interest of all field sportsmen.
2) To promote Field Sports through literature, films, the press, television and radio.
3) In parliament to keep a watching brief on everything likely to affect Field Sports, to promote legislation where necessary and to oppose legislation likely to be harmful to the interest of Field Sports.
4) To provide information, legal advice and assistance to members.

The British Pistol Club
Enquiries to: R. M. Lipscoumb, c/o A. Bagnall, Esq., Q.C., 7 Stone Buildings, Lincolns Inn, London, W.C.2.
Annual Membership: £2. 0. 0 (*Cash not to be sent with enquiry*).
Object:—To encourage International Pistol Shooting in Great Britain.

The British Sporting Rifle Club
Monthly shoots at Bisley throughout the year.
Hon. Secretary: A. J. Cannon, "Little Ingestre", Frimley Green, Camberley, Surrey.
Annual Membership: £2. 2. 0. Also Associate Membership through affiliated clubs.
Objects:—To encourage and promote sporting rifle competitions, in particular the U.I.T. Running Deer and similar matches, to seek to improve the facilities available for such competitions in Great Britain, and to do everything in its power to ensure that this country is worthily represented in the sporting rifle events at International Championships. A further object of the Club shall be to work for the greatest safety and accuracy in the use of rifles, both on the range and in the field.

The Clay Pigeon Shooting Association
Eley Estate, Angel Road, London, N.18.
Annual Membership £1.
Objects:—To develop the sport and pastime of Clay Pigeon Shooting in all its aspects, promote meetings, encourage Club formation, and generally govern the sport in the interests of its members. To obtain funds by subscription, contributions, donations or otherwise for the furtherance of the sport.

The National Rifle Association
Bisley Camp, Brookwood, Surrey.
Annual Membership: £2.2.0.
Objects:—To promote and encourage Marksmanship throughout the Queen's dominions.

The National Small-Bore Rifle Association
Codrington House, 113 Southwark Street, London, S.E.1.
Objects:—To promote the acquisition of skill in shooting by British subjects and in this connection to promote the establishment and maintenance of rifle and pistol clubs; to obtain for or grant to such clubs any special rights and privileges and to contribute towards prizes for skill in shooting etc.

The Wildfowlers' Association of Great Britain and Ireland
Director: John Anderton, H.Q., Grosvenor House, 104 Watergate St., Chester.
Objects:—To foster and safeguard the sport of shooting, in particular wildfowling and rough shooting. To do everything within its power to further practical conservation, particularly of wildfowl. It is also closely concerned with the education of the new entry to the sport.

ASSOCIATIONS OFFERING MEMBERSHIP AND SERVICES TO MANUFACTURERS AND DEALERS IN THE TRADE

The Gun Trade Association
Hon. Secretary: F. J. Winfield. Telephone: 021–454 6171
Chamber of Commerce House, 75 Harborne Road, Birmingham 15. P.O. Box 360.

The Gun & Allied Trades Association
c/o The London Chamber of Commerce, 69 Cannon Street, London, E.C.4.

FIREARMS

WHAT YOU NEED TO KNOW ABOUT THE LAW

We reproduce below, for the benefit of the general public, details describing the requirements of the FIREARMS ACT 1968 and the penalties for not following them.

In general, if you wish to acquire, possess or use any firearm you must obtain a certificate from the local chief officer of police. There are certain exceptions set out below.

1 AIR WEAPONS

If you are 17 years of age or over you may buy or hire most types of air gun, air pistol, etc., and the ammunition for them, without restriction. It is an offence liable to 6 months' imprisonment or a fine of £200 or both to sell an air weapon to a person under 17. You may give or lend it to anyone over 14; but to make a gift of an air weapon to anyone under 14 is an offence liable to a £50 fine. (See section 5 below: "The Law and Young People".)

Certain types of air weapon are declared specially dangerous by the Secretary of State; these may not be obtained unless you have a firearm certificate (see section 3 below).

2 SHOTGUNS

You may not possess, purchase or acquire a shot gun unless you have already obtained a shot gun certificate from your local police. They may refuse one if they consider that your possession of a shot gun would endanger public safety or if such possession is forbidden by the Firearms Act. If you obtain a shot gun without holding a valid certificate you are liable on conviction to a maximum of 6 months' imprisonment or a £200 fine or both.

You may not sell, lend or give a shot gun to anyone who has not got a shot gun certificate. The maximum penalty for doing so is 3 years' imprisonment or a fine or both.

You may not make a gift of a shot gun to anybody under 15 years of age. The maximum penalty for doing so is a fine of £50.

There is no restriction on the possession, purchase, or acquisition of shot gun ammunition by persons over 17.

These prohibitions are subject to the following exemptions.

You do not need a shot gun certificate if:

i you borrow a shot gun from the occupier of private premises (including land) and use it thereon in his presence
ii you use someone else's shot gun on artificial targets at a place and time approved by the local chief officer of police
iii you are visiting Great Britain from abroad for a total of not more than 30 days in any 12 months
iv you possess a Northern Ireland firearm certificate for a shot gun
v you are in possession of a weapon (for which someone else holds a certificate) in a theatrical or film production
vi your weapon is "an antique firearm" which has been sold, transferred, purchased, acquired or is possessed as a curiosity or ornament
vii you are under instructions from another person who holds a certificate and you are carrying a weapon for his/her use for sporting purposes only
viii you use a weapon for drill or target practice as a member of a rifle club or cadet corps approved by a Secretary of State
ix you are engaged in the business of a registered firearms' dealer
x you are in possession of a weapon in the course of the business of an auctioneer, carrier, warehouseman or slaughterer of animals
xi you are in possession of a weapon *on board* a ship, or as a signalling apparatus *on board* an aircraft or at an aerodrome
xii you are in possession of a weapon (for which someone else holds a certificate) for starting races at an athletics meeting

NOTE: For the purposes of this section a shot gun is "a smooth bore gun having a barrel not less than 24 inches in length not being an air gun". The restrictions on shorter shot guns are set out in Section 3 below.

3 RIFLES, PISTOLS AND REVOLVERS, SPECIALLY DANGEROUS AIR WEAPONS AND SHOT GUNS WITH BARRELS LESS THAN 24 INCHES LONG

You may not possess, purchase or acquire any of these weapons (nor any other firearm not mentioned in Sections 1 and 2 above) unless you have already obtained a firearm certificate from your local police. They will not issue a certificate unless they are satisfied that you have good reason for having it, that public safety is not endangered, and that you are fit to be entrusted with a firearm. The chief officer of police may impose conditions, and may revoke a certificate.

If you gain possesssion of any of these weapons without a certificate, you are liable on conviction to a maximum of 3 years' imprisonment or a fine or both.

You are not allowed to possess, purchase or acquire most types of ammunition for these weapons unless you have a firearm certificate.

You may not sell, lend or give any of these weapons (or most types of ammunition for them) to anyone who has not got a firearm certificate. The maximum penalty for doing so is 3 years' imprisonment or a fine or both.

You may not lend, or make a gift of, any of these weapons or any ammunition for them to a child under 14 years old; and you may not sell them to anyone under 17. If you do, you are liable on conviction to a maximum of 6 months' imprisonment or a maximum fine of £200 or both.

Exemptions. You do not need a firearm certificate if you are in any of the exempted categories (v) to (xii) mentioned in section 2 or if you are in charge of a miniature rifle range or shooting gallery where the weapons used are air weapons not classified as "specially dangerous" or rifles not exceeding .23 inch calibre.

THE LAW *continued*

4 PROHIBITED WEAPONS

Continuous fire weapons (for example machine guns) are generally prohibited as are weapons which discharge gas or any harmful substance and similar weapons and ammunition. You may not possess, purchase or acquire them without a written authority from the Home Office or the Scottish Home and Health Department in addition to a firearm certificate.

5 THE LAW AND YOUNG PEOPLE

If you are under 14 years of age you may not possess, purchase or acquire any firearm or ammunition, nor may anyone give or lend you any. But there are the following exceptions to this general rule.

i You may possess and use firearms and ammunition
   a as a member of an approved club; or
   b when you are shooting in a shooting gallery where only air weapons or miniature rifles are available.

ii You may possess and use any air weapon if you are not in a public place and are using it under the supervision of somebody over 21; but you may not use it for firing a missile beyond the premises or land where you are being supervised.

iii You may carry a firearm or ammunition under the instruction of another person who holds a certificate and for his or her use for sporting purposes only.

If you are 14 or over, you may be given or lent an air weapon or its ammunition and, if you have a firearm certificate, you may be given or lent any firearm or ammunition covered by section 3 above.

If you are under 15 and have a shot gun certificate (see section 2 above), you may have with you an assembled shot gun provided you are supervised by a person over 21 or the shot gun is in a gun cover securely fastened.

If you are 15 or over and have a shot gun certificate (see section 2 above), you may be given a shot gun as a gift.

If you are under 17 you may not purchase or hire any firearm or its ammunition.

If you are under 17 you may carry an air gun or air rifle in a public place, but only if it is in a gun cover securely fastened.

6 APPEALS

If the police refuse to grant, vary or renew a firearm or shot gun certificate, in England and Wales you may appeal to quarter sessions on giving notice within 21 days to the clerk of the peace and the chief officer of police; in Scotland you may appeal to the sheriff.

7 OFFENCES

It is an offence to infringe any of the above requirements. There are also the following specific offences created by the Firearms Act:

	OFFENCE	*MAXIMUM PENALTIES*
i	To trade in any way in firearms and shot guns without being registered with the police as a firearms dealer	3 years or a fine or both
ii	To shorten the barrel of a shot gun to less than 24 inches in length	5 years or a fine or both
iii	To convert in any way an imitation firearm into a lethal weapon	5 years or a fine or both
iv	To possess a firearm or ammunition with intent to injure a person or damage property	14 years or a fine or both
v	To use a real or imitation firearm to resist arrest	14 years or a fine or both
vi	To carry a real or imitation firearm with intent to commit a crime	10 years or a fine or both
vii	To supply a firearm to anyone who is prohibited from having one	3 years or a fine or both
viii	To carry without lawful authority or reasonable excuse a loaded shot gun or air weapon or any other fire arm (whether loaded or not) together with ammunition suitable for use in that firearm	5 years or a fine or both
ix	To trespass without reasonable excuse with a firearm:	
	a in a building	5 years or a fine or both
	b on land	3 months or a £200 fine or both
x	To acquire, possess or use any firearm or ammunition for 5 years after release from any detention or imprisonment of 3 months or more	3 years or a fine or both

8 THE PROOF OF FIREARMS

Proof is the compulsory testing of every firearm (except air weapons) to ensure its safety before it is first offered for sale. Reproof is the similar testing of a firearm which has gone out of proof by reason of alteration or wear.

The Gun Barrel Proof Acts 1868 and 1950 lay down that no small arm may be sold, exchanged or exported, exposed or kept for sale or exchange or pawned unless and until it has been fully proved and duly marked with a recognised proof mark. The maximum penalty for such offences is a fine of £20 for each unproved barrel.

The offence of dealing in unproved arms is committed by the seller, not by an unwitting purchaser.

If you are doubtful about the proof of your firearm, you should take it to a gunmaker or to the Proof House, 48 Commercial Road, London E1, or to the Birmingham Gun Barrel Proof House, Banbury Street, Birmingham 5.

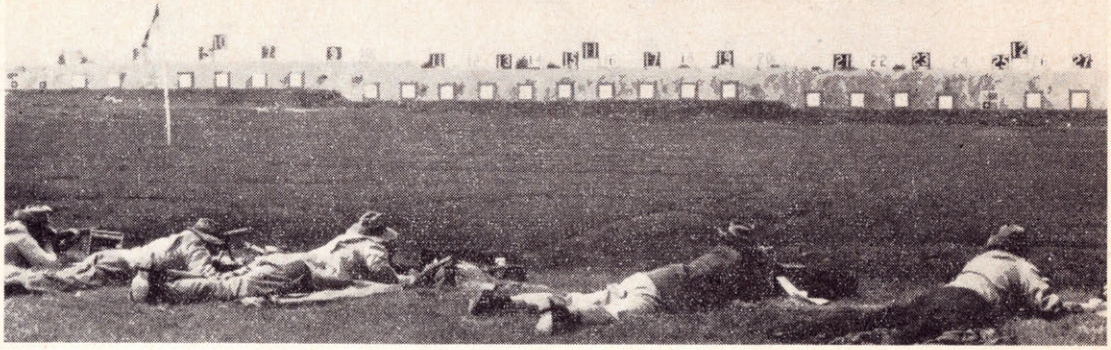
If you are in any doubt about firearms seek advice from the police.

NEVER TAKE RISKS WITH FIREARMS ! TAKE OUT AN INSURANCE POLICY AGAINST ACCIDENTS.

Reproduced by permission of the Home Office and the Central Office of Information
1969 H M S O Dd 571811

PARKER HALE LTD., BIRMINGHAM 11

TARGET RIFLE SHOOTING



by A. B. Riall, *Air Commodore, R.A.F. (Retd)*
Secretary, N.R.A.

It will be known that the National Rifle Association was founded in 1860, mainly with the object of "Bringing to bear upon the Volunteer Forces that healthy, manly sport of rivalry and competition which is so characteristic of Englishmen and which is the life and soul of all our sports". In considering details for the type of shooting to be carried out, the then Chairman of the Birmingham Small Arms Trade (Mr. J. D. Goodman) wrote to *The Times* complaining about a competition sponsored by the National Rifle Association for a Target Rifle. In his reply Lord Elcho, then Chairman of the National Rifle Association Council, stated as follows—"We are anxious that the chief prize should be won by the Volunteer whose eye is clearest, whose hand is steadiest and whose nerve is strongest, and not by the man who from his experience in rifles, has found out the best description of arm, the cost of which may possibly place it beyond the reach of the mass of competitors".

These two extracts from the events of over 100 years ago are quoted because they are highly relevant to events in the target shooting world of today. Between 1860 and 1968, target rifle shooting was confined almost exclusively to the military weapon of the day. Certain relaxations to those weapons were permitted only with approval from the War Office. In 1968 the National Rifle Association issued a Specification for the 7.62mm. Target Rifle, this being the first time that it had ever taken such an important step. Last year (1968) certain of the competitions in the N.R.A. Meeting were made available to this new Target Rifle, but the major events were still restricted to the .303. For 1969 it has been decided that all major Target Rifle events in the N.R.A. Meeting will be open to this new rifle as well as the existing .303. The occasion therefore is somewhat historic and it is suitable that it should coincide with the 100th Meeting of the Association.

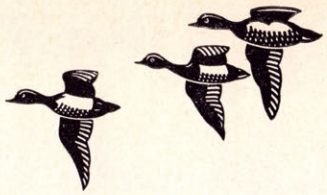
The coming Meeting therefore marks the advent of a new era in full-bore rifle shooting. Up till now we have had to rely on the Service weapon, though admittedly with the addition of an aperture backsight. Users learnt the rudiments of shooting whilst wearing uniform, and indeed the majority of N.R.A. members have some form of military background, be it only that of National or Cadet Service. With the departure from a strictly military weapon there is every reason to suppose that this sport may appeal to a wider public. It is very much a family sport in that both sexes can enjoy it and participants range in age from 15 to 80 plus. The requirements high-lighted by Lord Elcho in 1860 still stand, and it is just as much the wish of the National Rifle Association today to ensure that the winning of prizes is achieved in fair competition with rifles and ammunition equally within the means of all.

One requirement stands out and that is the need for ranges not too far distant from competitors' homes. In closer terms this has been taken to mean 40 miles or 2 hrs. driving time, whichever is the less. To spend a longer time than this on travelling is pricing enthusiasm almost too highly.

Although the bulk of this article is devoted to Target Rifle shooting, it must be appreciated that there are very many other types of shooting, both full-bore and small-bore, all of which require "real estate". There is a noticeable tendency for participants in these various forms of shooting to get together with a view to sharing facilities. A number of clubs already have sections devoted to various types of shooting, but with allegiance to the one main club. The logical step is for this movement to be reflected into the national shooting organisations, but with administrative overheads such as feeding and accommodation on a shared basis.

In conclusion, 1969 could well be a turning point in the evolution of Target Rifle shooting: new rifles, more accurate ammunition, an extension of the sport to a much wider public and a realisation that the national organisations should combine forces to share expenses, but remain sovereign in their own spheres. The 100th Meeting of the National Rifle Association could thus be an historic one and of no little interest to the present generation.

WAGBI



JOHN ANDERTON *discusses the achievements of*
The Wildfowlers' Association of Great Britain and Ireland

This Association, which in 1968 celebrated its Diamond Jubilee Year and was honoured by the patronage of H.R.H. The Duke of Edinburgh – an enthusiastic shot and conservationist – is the only organisation in the United Kingdom working wholly and full time in the best interests of sporting shooting closely allied to legal protection and practical conservation in all its many forms. This applies at national level, through its 18 Joint Councils at regional or county level, and 215 (23.6.69) affiliated clubs and associations at local level. Additionally there are a further two overseas. Currently our membership exceeds 20,000 – representative of only 3% of all who shoot.

It is, therefore, all the more remarkable when one considers what has been achieved particularly in recent times.

WAGBI is in being to — uphold the rights of its members as shooting men and women; foster a mutual understanding among all who shoot with regard to certain acts of courtesy and etiquette of the sport; suppress selfish and irresponsible shooting; help all who shoot and those who, whilst not doing so, believe in the sport, and our work in the field of practical conservation; create a spirit of sportsmanlike respect; assist in the study of ornithology particularly in its relation to wildfowl – and gamebirds – and to undertake the rearing and ringing of wildfowl and their subsequent release onto unshot waters, likewise the rearing of game.

Its most important role, however, is to strongly oppose all movements or legislation that would in any way prove detrimental to the sport. For this purpose we maintain an all-party Parliamentary Lobby that, with our help in 1967, successfully prevented a bid to prohibit punt gunning about which there was, and is, all too much ignorance.

Perhaps our most satisfactory achievement has been to ensure that members may continue to shoot on land in the ownership of the Crown and Duchy of Lancaster without criminally offending against the Firearms Act, 1968.

It can safely be said that the Association comprises a wealth of experience and knowledge particularly in respect of our growing contributions in terms of practical conservation of the quarry species. Witness our 108,626 plus wild ducks reared, ringed and released (1964–1968) onto our over 70 reserves that comprise 10,000 acres. The recolonisation of the greylag goose into England after a lapse of 200 years. In the English Lake District alone no fewer than 500 of these fine birds remain the year round and nest in the wild.

The value of our contributions in terms of habitat improvement and part management of Statutory sanctuaries, reserves and refuges, cannot be underestimated.

WAGBI
(continued)

Additionally WAGBI is working closely and harmoniously with virtually every organisation that is in any way concerned with the countryside and its fauna e.g. Nature Conservancy, Wildfowl Trust, Royal Society for the Protection of Birds, Eley Game Advisory Station, Advisory Committee on Oil Pollution of the Sea, National Trust, Forestry Commission, International Council for Bird Preservation, International Wildfowl Research Bureau, and the Sports Council – to name but a few. Such co-operation is essential if we are to safeguard the sport and the countryside both of which are under growing pressures from many directions.

Although our main work is in respect of wildfowl the fact remains that much of it benefits every aspect of shooting despite our title which, today, can be a little misleading.

To sum up it is reasonable to state that this Association is non-sectarian, non-political and its officials and members are drawn from all walks of life who in turn are dedicated in seeing to it that the sport we regard as a cause, a belief and a way of life beyond price continues after our time.

Very much more detailed information can be obtained from the national headquarters:

Grosvenor House, 104 Watergate Street, Chester.

KNOW-HOW IN THE FIELD

BY MACDONALD HASTINGS

The immediate aims in the field, after the indispensable preparation of dry practice and shooting at inanimate targets, are (1) the acquisition of constant (but relaxed) readiness, (2) the calculation of ranges, (3) the conquest of the nervous trait of trying too hard.

Whatever you are shooting at, from the heady excitement of driven pheasants to flighting wood-pigeons, you won't do credit to yourself until you are collected within yourself. Knowing yourself, controlling your impulses, recognising what you do wrong, is three parts of the know-how in the discipline of the field.

READINESS. A lack of readiness is, in shooting, no vice. In ball games and in all sport, except perhaps fishing, eagerness is a virtue. In shooting, over-eagerness is often objectionable, and it can easily become a dangerous habit. I remember shooting pheasants beside a famous cricketer who, every time a bird came in sight, slung his gun as if he were snatching a catch in the slips. He was safe enough; but he was stealing the shooting from the guns on both sides of him. The rule, however rough the shoot and whatever company you are in, is to offer the courtesy of the shot that's wide for you (unless previously agreed) to the man on either side.

Never mind if you occasionally miss because your safety catch has been left on. Never mind that you missed a chance because you fumbled when you were reloading. Never be ashamed that your gun was empty when, between stands, somebody else pulled off a showy shot. There's always another bird, and, if you put safety first, another day. But when the game is on, you can do a lot to improve your own performance.

More shots are missed, not because safety catches are not taken off, but because so few shooting men take the trouble to give attention to quick reloading. In a hot corner, it is a useful accomplishment, well worth practising.

First, make sure that you are opening your gun correctly. To release the top lever, your first finger should be knurled over the right lock plate. With your thumb on the lever, squeeze both the lock plate and lever *together*. The pressure will be sufficient to release the stiffest lever you are likely to come across.

To open the breech, hold the stock under your arm with the barrels canted slightly sideways. This gives extra body leverage to assist smooth and easy opening. Draw down the barrels with your left hand, whilst the stock is still gripped between your right side and right forearm. Don't try to do it with your right hand, which should now be leaving the lever to reach your pocket, your bag or your belt, for fresh cartridges (assuming, of course, that you are using a self-ejector gun).

KNOW-HOW IN THE FIELD

(continued)

If you are carrying out the operation successfully, your barrels will drop to an angle of approximately 45 degrees to the stock under your arm. The gun, turned slightly sideways, will eject the expended cartridges away to the right, rather than over your right shoulder.

Whether you have got your cartridges in a bag or in your pocket, give them a good shake before shooting. The weight of leadshot in the heads of the cartridges compared with their lighter bases, will encourage them to turn heads uppermost. The advantage is that, when your fingers close on them it is long odds that they will have settled in the best position for quick handling. If you are using a belt, they will anyhow be 'heads up'. If you are using one of the bandolier tubes, make sure when you fill it that the bases of the cartridges decant first.

If you have only fired one shot, reloading a single chamber of a double-barrelled gun is a quick process. Where you are likely to be found out is when you have fired both barrels. It is a fact that the majority of shooting men make a double job of it. If there's no hurry, it couldn't matter less. But, in game shooting, it is always wise to assume that the best chance of the day will show at the monent when you are least prepared.

While a perfection of movement and timing is beyond most of us, it is still worth striving for. The art of slipping cartridges, like oil, into the chambers of a gun is a requisite of cool and unhurried shooting.

Try this. When you break your gun, your hand should be travelling towards the unfired cartridges. If you have shaken them, they should come to your fingers easily, brass up. As you collect them make a movement so that one cartridge is more prominent in your hand than the top one by about three-quarters of an inch; in other words, pick up the two cartridges in an over-and-under position. Insert the nose of the higher cartridge into the right barrel, but don't let go of it. Using it as an axis, twist your wrist so that the other cartridge turns over the left barrel. Then let them both go.

On paper, it may seem a laborious business. But if you take the trouble to master the twist, you will gain a reputation for the speed in which you reload.

Don't allow speed to relax your safety precautions. There is always the risk that, once the cartridges are home, you lift the barrels to the stock of the gun instead of the stock to the barrels. When you ejected the spent cartridges, remember, the stock of the gun was tucked under your arm. Keep it there. Close the gun with a pressure of your right hand, with a slight forward inclination of your body. Some men favour a lift with the forearm under the stock to close the gun. Take your choice.

YOU ARE RIGHT, WHATEVER YOUR PERSONAL STYLE, IF THE MUZZLES OF YOUR GUN REMAIN INCLINED, IN RELOADING, TOWARDS THE GROUND.

THE CALCULATION OF RANGES. You will more often let a chance pass, within easy range of your gun, than take a shot which is outside the potential of your weapon. This is not what is usually said in books about shooting. With the admirable object of preventing sportsmen from pricking without killing at long ranges, the emphasis is usually the other way.

You certainly need to be careful when you are wildfowling, and to watch yourself when you are shooting at hares.

But, in most shotgun work, the common fault is to exaggerate distances. If a pigeon, pheasant or a partridge fills your eye, it is very unlikely indeed that the bird is out of range. The fact that you think it is too tall or too wide is quite likely why you take second aim and miss.

At ground level, most of us have mental standards of distance. It may be the length of a cricket pitch, a miniature rifle range, or some other familiar unit of measurement. Against the sky, height is far more difficult to calculate. Pigeons that look as tall as the clouds are often within reasonable range. Again and again, shooting men congratulate each other on shots which, in truth, never extended the gun.

KNOW-HOW IN THE FIELD

(continued)

"The Ready Position"

The gun is squeezed, but not squashed, between bicep and ribs. The pressure under the armpit should be just enough to relieve the weight. The gun is pushed forward across the chest. The trigger finger lays straight over the guard. An upward cant of the barrels helps.

The effective range of a shotgun is somewhere between forty and sixty yards. It may surprise you, but it's true that most game is shot at a distance of about eighteen yards. A kill at thirty yards is exceptional. I can prove it to you. The average oak or elm in Britain, which looks tall enough, is seldom taller than fifty to sixty feet; that is, twenty yards or so. The average third floor window-sill is a mere twenty-four to thirty feet above ground level. So much for the birds that come higher than the trees.

It's a good policy in the field to practise your eye at gauging distances. If you are standing forty yards away from a belt of trees, for example, and the trees are ten yards high, the extreme distance when a bird tops the trees will be about forty-five yards. And you will be more likely to overestimate the range than otherwise.

Robert Churchill was fond of saying that the time to shoot is when the bird 'looks big enough to eat'. It suited his way of timing the instant to shoot, but it may not suit you. In good light condition, it is a fair rule for some people to say: shoot when you see the white ring round a woodpigeon's neck, the eyes of an oncoming partridge, or the colour of a pheasant. In bad light, if you wait for that, you won't shoot at all. Best of all, when you are looking for the chance of a shot, cultivate the habit of measuring instinctively distance between yourself and a hedge, fence or straw stack. Get it into your head that a big tree in this country is rarely more than twenty yards high. When you believe that you have pulled off a very long ground shot, pace out the actual distance. You will be surprised, although I won't, how easily an estimated forty yards turns out to be twenty, and less.

A pigeon hide is the ideal place to accustom yourself to reckoning distances. You are posted at a fixed point. You are likely to be shooting at all angles; and you have the opportunity of planting your decoys at paced ranges.

In inland shooting, the only animal of the chase which you are likely to think is nearer to you than she actually is is the hare. Because the hare is the largest quarry in the English fields – even a full grown hare in poor condition is twice the size of a rabbit – estimates of range can be painfully misleading. Theoretically, hares are usually so easy that a reasonable shot should never miss them. In fact, they are missed – and, worse than that, wounded – again and again through miscalculations of distance because of the hare's size.

KNOW-HOW IN THE FIELD

(continued)

A RULE, YOU WILL NEVER REGRET IT, IS TO HOLD YOUR FIRE AT A HARE UNTIL YOU SEE HER BIG EYES.

HOW TO CONQUER THE FAULT OF TRYING TOO HARD. Notice, when you are shooting yourself or watching others in the field, how often the best shot of the day is one in which a bird is pulled down which shows momentarily in a gap among the branches of the trees. It appears to be a demonstration of extra-readiness. It is nothing of the kind. What happens is that the gun, with no chance for second thoughts, has to fire on first aim. Doing that, he surprises himself with the speed that he is on target.

For contrast, compare the situation when the guns are standing back from a field of roots with the opportunity of watching birds travelling for perhaps a hundred yards before they are in range. They are missed again and again. The reason is that the guns are over-ready . . . Watching the birds coming, they take false aim, keep on changing their minds about the moment to shoot, and, in the end, shoot too late, and miss what should be easy birds far behind. It calls for a good deal of discipline to watch even a pigeon, never mind a pheasant or a covey or partridges, approaching from a distance.

A method which many experienced guns adopt, knowing how to time the speed of approach of birds, is to look at the ground until they estimate that the target should be overhead. Only then do they look up and shoot on first sight. This is true readiness.

But suppose you find that you are missing through over-anxiety – the vice of too much readiness – there are various wrinkles to correct the fault.

(1) Try to get your timing right – let's suppose it's a cock pheasant coming over – by saying quietly to yourself as your gun mounts 'WHAT-A-BEAUTIFUL-CHAP-YOU-ARE!' You fire as you spit the word 'ARE'.

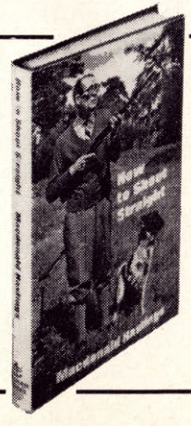
(2) Hold your fire until the bird is almost over your head. Throwing your gun, leaning back with your left foot on its toes, your weight balanced firmly on the right, catch him just before you lose him from sight. The notion is to force you, from your body position to shoot at first aim.

(3) It may help to effect a deliberate loss of temper. Tell the bird, with what ornamental four-letter language you like, what you think of him. It is often helpful to force that extra feeling of aggression which is the difference between killing cleanly in front and trailing far behind.

(4) Make up your mind that you will shoot the next bird that comes in the left or right wing, beak or tail – it doesn't matter what part of the anatomy you choose – and, when he comes, look at nothing else. If your eye doesn't wander, you will kill. The pattern of shot will cover the whole target.

(5) Notice that when you are in bad form – I hardly care to recommend this, I simply state the fact – you will sometimes find that you shoot straighter, after you have drowned your sorrows, in middle day, than you did when you believed that you were on your toes in the morning. The reason is that you were missing in the morning through over-anxiety. Once you stop trying, the habit of good style asserts itself. I have sometimes noticed in my own case that, after regrettably sitting up all night playing cards, when I needed matchsticks to keep my eyes open in the morning, I have often shot far better than I did when I was in good nick the day before.

I repeat that the policy is not to be recommended, for obvious reasons. The moral is that, when you are shooting, you will shoot far better once you have mastered the drill, with a readiness which is casual rather than forced.



The above article is an extract from Macdonald Hastings'

HOW TO SHOOT STRAIGHT

an excellent illustrated handbook on shotgun shooting. This easily assimilated publication has much helpful guidance for the tyro and for those not so new to shooting.

Published by Pelham Books. Price 21s.

MORE ASPECTS OF PROOF

by R.P.LEES, PROOFMASTER at BIRMINGHAM

Ever since firearms were first introduced into England in the 13th century, they have been given some test before being taken into service, for there is always an element of danger in the development of great heat and high pressure in confined spaces (e.g. Married life with In-Laws). The earliest cannon were almost as dangerous to friend as to foe.

Today the proof of small arms is international. High pressure tests similar to those given in Birmingham and London are made on arms in every known centre of gunmaking the world over and, in most countries, control is by Act of Parliament or Government decree.

In the United Kingdom, it is, and has been since 1813, an offence to sell or offer for sale, to exchange or even to pawn a cartridge-operated small arm, shotgun, rifle, pistol or even industrial tool which does not bear valid proof marks. Equally it is an offence to dispose of an arm bearing proof marks if it has been so altered since those marks were impressed, that it has become out of proof and the proof marks invalid. The offence in dealing in unproved arms is committed by the seller. An unwitting purchaser should, on discovery, promptly report the facts to one or other Proof House. Prosecutions are frequently undertaken by the two Proof Houses in this country, Birmingham controlled by the Guardians and London by the Worshipful Company of Gunmakers of the City of London. In 1966 fines and costs awarded in nine cases exceeded £300.

Present Proof Regulations, which maintain proof pressure at the same level as over the past 42 years, require that shotguns shall be proved at a pressure of not less than 60% higher, nor more than 80% higher than an agreed maximum service pressure, below which limit all cartridge manufacturers in this country should maintain their standard loads. Rifles and pistols receive a proof pressure of between 30% and 45% in excess of an agreed maximum service pressure. This maximum service pressure for a 12 bore $2\frac{1}{2}$" chamber shotgun is 3 tons per square inch, measured radially at 1" from the breech. Proof, therefore, must range between 4.8 and 5.4 tons p.s.i.

PROOF

(continued)

In general, it may be said that when purchasing arms from a reputable gunmaker, or gunsmith, one runs no risk of being offered either an unproved arm, or one in which the proof marks have been invalidated. All new shotguns made in this country are proved before they pass into retailers' hands, whilst new arms, imported from abroad, will either bear acceptable foreign proof marks, or will have been submitted to proof in this country before sale, and will bear British proof marks. The marks of Austria, Belgium, Czechoslovakia, France, West Germany, Ireland, Italy and Spain are accepted in the United Kingdom under reciprocal agreements. It should be noted, however, that whilst all these countries prove to similar pressure levels, standards of view vary so much that guns may be found bearing acceptable foreign proof marks which would be deemed not in fit condition for proof if submitted to a British Proof House. Recognition of foreign proof marks is based on compliance with a Section of the Gun Barrel Proof Act and does not take note of proof methods, or standards of view.

Although it is the best practical test so far devised, proof is no guarantee against subsequent failure. There are other methods of testing barrels and actions such as metal X-ray and crack detection but these, too, have limitations and are much more expensive in time and money.

Control at Birmingham is vested in a Board of Guardians consisting of 15 Elected Gunmakers, 3 Magistrates and 3 Councillors of the City of Birmingham. The Guardians are responsible to the Ministry of Defence, should they wish to change Rules of Proof, seek a new Gun Barrel Proof Act, or should any complaint be made against the administration.

An article of this nature can only be a precis of the full story. The law is to be found in the Gun Barrel Proof Acts of 1868 and 1950 and Rules of Proof of 1954, 1925 and earlier. New Rules of Proof do not invalidate earlier Rules or markings.

A booklet entitled *Notes on the Proof of Shotguns and Other Small Arms* is available from the Gun Trade or from either Proof House at 5s. 9d. post paid. In this may be found information on the history of proof, drawings of all the proof marks used in this country since 1637 to the present day, all the currently acceptable foreign marks and a good deal of other information, including memoranda on the Reproof of Shotguns, on the Purchase of Second-hand Shotguns, on Black Powder Proved Guns, on Barrel Enlargement and Details of Proof Sizes, the Sale of Guns by Auction and the Repair of Gun Barrels by Welding.

The Proof Houses have jointly exhibited for the past ten years at the C.L.A. Game Fair, to show the shooting public something of the work of the Proof Houses, to examine and report upon any gun brought to their stand and to show some spectacular burst barrels, the ghastly results of continuing to use guns in latent and patent bad conditon, the effect of barrel obstructions and the fate at proof of faulty materials.

Further information on proof matters may be obtained by enquiry of the Proof Masters either at the Proof House, Banbury Street, Birmingham 5, or the Proof House, 48 Commercial Road, London, E.1.

The good gundog will tackle almost any obstacle

HANDLING AND MANAGING THE TRAINED GUNDOG

BY PETER MOXON

(*Kennel Editor, SHOOTING TIMES*)

Practising a young dog on steadiness to the thrown dummy

MANAGING GUNDOGS

These days, many shooting men do not train their own dogs, much as they would like to do so, because they have not got the knowledge, the time or the facilities. As a result, there is a large demand for trained dogs as well as for the services of professional public handlers who will take on the education of puppies which have already been acquired. I still believe that it is always better to train your own puppy if this can possibly be done but, appreciating that circumstances often preclude this, I feel that some advice on the management and handling of a dog trained by someone else will not come amiss.

In my own experience of professional gundog training, which extends back over a quarter of a century, there is a tendency for the less thinking owner to regard a trained dog as fool-proof and calling for little thought or effort on his part. The attitude seems to be "I have paid a good price for the finished article and it should be perfect". Like the owner of a new car, he feels that all he needs do is to provide fuel and water in order to obtain years of trouble-free service from it!

No matter whether you are taking over a completely strange trained dog, or one which you sent into kennels for education, there is much more to the achievment of successful results than this. You are dealing with flesh and blood, brains and intelligence, not simply with a machine which, if things do go wrong, can be stripped down, examined and have worn parts replaced at a garage, which can re-tune the whole contraption within a matter of hours.

To take the question of buying a trained dog first, the essential thing is to go and see the prospective animal working for the vendor. If he is a reputable gundog man, he will put it through its paces and give a convincing demonstration of what it will do for him. If you like the look of the dog and think it will do for you, for heavens sake make sure that you not only obtain a list of the words of commands and whistles to which it has been accustomed (as well as a whistle of the correct type), but also of the hand signals and the regular diet. Learn all you can about the trainer's technique and mannerisms, as well as picking his brains about the dog's general temperament, likes and dislikes, how it has been housed and exercised, and any other relevant details which may help you to make a success of the new acquisition.

Having got the dog home, do everything possible to get to know it and help it to settle down in what is probably a completely different environment to that to which it has been accustomed.

It may be weeks, it might well be months, before a trained dog settles down in a new home, though, generally, it is only a matter of a few days if the owner goes about things in the right way. Of course, much depends upon the dog itself and the degree of attachment which it had from its former owner. This is a subject about which one can only generalise and it is quite impossible, when selling a trained dog, to give any guarantee how it will work for another handler, or even if it will work at all!

A dog suddenly finding itself in new and strange surroundings, and with a different handler, will naturally feel bewildered and unhappy at first. It is only natural and must be expected. Dogs react in many different ways to a new home and master. Some will bark furiously, or howl, when left alone, especially in kennel. Others will sulk silently, and there are the nervy dogs which become quite unapproachable for several days, snapping and biting if you attempt to touch them. Some dogs will eat well from the start (especially if fed the same type of foods to which they have been accustomed), whilst another dog will refuse food for days, or even weeks in extreme cases. Generally speaking, if a mature dog in good condition eats well in a new home it will not be long in settling down there, and dogs which at first refuse their food may be considered to be beginning to feel "at home" when they do commence to feed hungrily. Some dogs will try to escape from their new home and will manage to climb out of kennel runs or chew their way through woodwork,

MANAGING GUNDOGS

continued

if not prevented, in order to do so. You may think that a dog is quite happy with you and then, on the first occasion when you have it out without a lead on, it streaks off and tries to find its way back to its original home. On the other hand, there is the dog which settles down almost immediately and "takes to" its new surroundings in such a way that, when the former owner gets to hear about it, he feels quite hurt to think that he meant so little to the dog!

Steadiness to fur in the rabbit pen

In order that I may not unduly depress anyone who has just bought, or is contemplating buying, a trained dog, let me say at once that in my experience the *average* dog is settled down and happy in a new home within a couple of weeks, frequently sooner. That is, dogs which are sensibly handled from the start and with whom the new owner takes reasonable trouble to ensure their happiness. If you have another dog which gets on well with strange dogs, then kennel the new one with it, for in this way loneliness will be avoided and the companionship of another dog will give the newcomer an interest, especially if it has been accustomed to living with other dogs. Apart from ensuring that your commands and the diet are, as far as possible, similar to those to which the new dog has been used, the most important thing is to give it as much of your company as you can. Have the dog with you on every possible occasion – indoors, in the car, in the garden and, above all, exercise it yourself. A dog does not care who feeds it, but to the man who gives it free running exercise and companionship goes wholehearted devotion. I always take the precaution of exercising a new dog on a lead for a few days, and then if I am still uncertain about it, I allow the dog to run free but wearing a long, trailing check cord, so that any attempt to escape can usually be nipped in the bud.

It is absolutely fatal to success with a new dog to take it out shooting until (a) it is thoroughly happy with and accustomed to you, and (b) has shown that it will obey your commands and retrieve to you under quiet conditions away from the shooting field. In cold print these instructions may appear all too obvious, and only a matter of common sense, but it is surprising how frequently they are ignored. Indeed, I will go as far as to say that the non-observance of these simple rules probably accounts for more dissatisfaction over the conduct of new dogs than any other single cause. An owner who is disappointed by the poor performance of a new dog in the shooting field within a few days of arrival deserves to be disappointed, and has only himself to blame. I have written all this before, many times, but I make no apologies for the repetition now, for this advice, to be found in practically every book on training, and given again and again by trainers, keepers and experienced shooting men, is still being frequently ignored by just those people who should act upon it.

A great deal of what I have written above applies with equal force to the dog which you sent for training to a professional, possibly when it was between six and nine months of age. In all probability, the youngster has been away for from four to six months, and has become "part of"

the trainer and his establishment. It stands to reason that such a dog will also require careful treatment when first brought home, but the chances are that it will settle down and accept you quite quickly, especially if it had been in your care from early puppyhood until sent away for training. It will soon show signs of remembering its former environment and handlers but, even so, you must take no chances, but "feel your way" with it until there is a bond of mutual confidence and respect. In other words, in both cases, you have got to "use your loaf", take nothing for granted, and be prepared to take an interest in your dog if you wish it to become interested in, and work well for, you.

Unfortunately, owners are apt to do such foolish things with trained dogs. Almost any established professional trainer will tell you of instances when he has delivered a pupil on one day and the ignorant, optimistic owner has taken it out shooting the next! With results which need hardly be described.

There is no such thing as the perfect gundog, and I do not care how much money you paid for your dog (or to have it trained), *you will have to play your part* and be prepared to take time and trouble to keep it up to scratch. In this way you will win the love and (more important still) the respect of the dog, and obtain the best from it. You must always remember that dogs are uncannily like children in one respect, and this is that they will always try to see just how far they can go and get away with when "under new management". If you keep your temper, retain a sense of proportion and, above all, prove just and understanding, then you stand every chance of making a success of a new or freshly-trained dog. If you cannot be bothered to take the trouble, then carry on shooting without a dog – and miss all the pleasures that *could* be yours!

The end product . . . a perfect delivery of shot game.

Photographs by the author.

BY THE SAME AUTHOR

"Gundogs: Training & Field Trials" @ 32/6

William Seymour describes

THE DANGEROUS SHOT

In the shooting field your neighbours are not just the men who are on your right and left in the line, but all those who take part with you in the day's sport, from the humblest stop up to the most important guest. Their safety should be your first consideration and second only to this should be the welfare of your gun, for it is a weapon with a highly sensitive mechanism and to damage it will certainly be expensive and could easily be dangerous.

Some of the best shooting stories concern people who have committed a heinous crime with their gun, but mercifully done little or no damage. In retrospect these incidents are very amusing, but at the time they are inclined to be alarming and, but for the grace of God, might well have been tragic. The chap shooting not far from where I live who let his gun off through the roof of the shooting bus was the only one of the passengers unconcerned, and when the others had emerged from under the seats to hear him quietly murmuring "That's funny, my gun did exactly the same thing last week", it was difficult not to laugh, shaken though they were.

There is one golden rule, which is perhaps the most easily and often broken of them all. Never shoot where you cannot see. I think that most of us would be less than honest if we said that we had always obeyed this precept. I know that I have shot into thick cover on occasions without knowing for certain what might be beyond. Naturally one should be told, or take the trouble to find out, where the stops are – and of course the other guns – but even so people will move about when they shouldn't. I remember some years ago a picker-up getting shot in the hand; he was standing concealed in a clump of bushes directly behind the guns and although he had no business to be there, the gun had even less to shoot where he could not see.

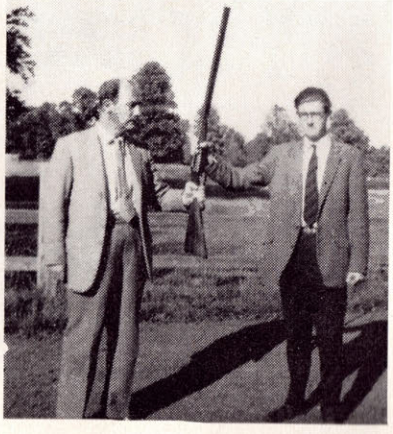
THE DANGEROUS SHOT

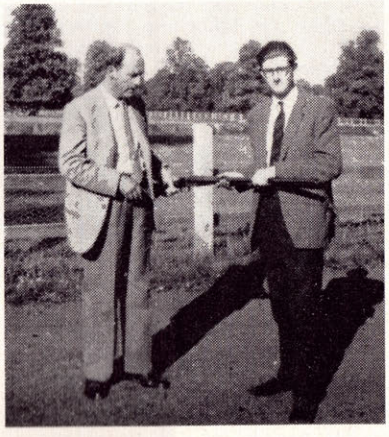
(continued)

Some people hold their guns in a most curious way. A loaded gun with the butt resting on the ground and the owner's hands over the barrels (*a favourite stance of Egyptian police in the good old tarboosh and malish days*) will probably only blow the owner up should it go off, but the gun held in the crook of the arm is a potential danger to the person next door – and so is the gun carried at the trail. One cannot be too careful when shooting in snow, it is so easy to get some of the stuff into the barrels and they must be cleared immediately or the next shot may burst them. One of the nastiest accidents known to me – and it may sound foolish, but it can easily happen – occurred when a father had somehow got one of his son's 20-bore cartridges into his 12-bore bag. In the heat of the moment he put this cartridge in and when nothing happened at the next shot he automatically re-loaded with a proper cartridge, which on being fired met the 20-bore one stuck down the barrel and the man lost a good part of his left hand.

No one should ever rest a loaded gun against a wall, car, tree, etc., for no matter if the safety catch is applied the mechanism of a gun is so delicate that a fall to the ground can easily result in the gun going off. This is elementary, although it is an offence that one frequently comes across. But the man who takes care of his gun will think twice before resting it against any obstacle (even when in a gun stocking) from which it may fall and become dented.

The pleasure we derive from shooting is made up in many ways: the joy of a day in the country, when you can savour in full the beauty of the fields, woods and unspoilt wild life; the chance to pit your skill against targets that are often testing; and above all a day spent in the company of good friends. But a selfish shot can spoil the whole day for his immediate neighbours and a dangerous one ruin it for the whole party.





There is a right and wrong way to hand a gun from one person to another. It should be passed with the barrels upright, whether loaded or not.

PERIODICALS
of interest to the shooter and gun dealer

AMERICAN RIFLEMAN
Official Journal of The National Rifle Association of America. Published monthly by The N.R.A. of America, 1600 Rhode Island Avenue, N.W., Washington, D.C. Price 3/7d. (50 cents). Subscription £1 15 10d. ($5.00) a year. Add 7/2d. ($1.00) a year for foreign postage. Alternatively you can place your order for this (and certain other popular U.S. Sporting Publications) through Willen Ltd., 61a The Broadway, London, E.15.

BRITISH PISTOLEER
The Official Journal of the British Pistol Club. Published quarterly by the British Pistol Club, c/o 25 Ferry Road, Teddington, Middlesex. Price 2/– (subscription 10/– per annum) or free to members of the Club.

FIELD
Traditional rural pursuits, country sports, houses and estates. Published weekly by The Harmsworth Press Ltd., 8 Stratton Street, London, W.1. Price 2/6. Yearly Subscription £8.11.0. Agents for U.S.A. and Canada: British Publications Inc., 30 East 60th Street, New York 22, N.Y., U.S.A.

GAMEKEEPER & COUNTRYSIDE
"For people interested in field sports and natural history". Published on the first of the month by The Gamekeeper and Countryside, Hertford, Herts. Price 2/– Subscription: 12 months 24/–, 6 months 12/–

GAMEKEEPERS' GAZETTE
The Official Journal of the Gamekeepers' Association of the United Kingdom. Published every two months – 1st January, March, May, July, September, November. Available only to Members, free of charge. Details from the Secretary, Gamekeepers' Association of the United Kingdom, Pentridge, Salisbury, Wilts.

GUNS REVIEW
The International magazine devoted to all aspects of guns and shooting, covering antique and modern weapons, stalking and shooting. Published monthly by the Ravenhill Publishing Company, Standard House, Bonhill St., London E.C.2. Price 3/6d. Yearly subscription £2 8s. ($6.50 U.S.A. and Canada). Editorial address: High Street, Pateley Bridge, Harrogate, Yorkshire.

HARPERS SPORTS & GAMES
For Home and Export Trade. The Official Organ of The Gun Trade Association Limited. Published fortnightly by Harper Trade Journals Ltd., 22 Cousin Lane, London, E.C.4. Subscription: £2 0s. per annum (Including "Harpers Guide to The Sports Trade")

N.R.A. JOURNAL
The Official Organ of the National Rifle Association. Published quarterly by the National Rifle Association, Bisley Camp, Brookwood, Woking, Surrey. Price 2/6d. 10s. per year, post free.

RIFLEMAN
The Journal of The National Small-Bore Rifle Association. Published in March, June, September and December by the National Small-Bore Rifle Association, Codrington House, 113 Southwark Street, London, S.E.1. Price 2/6. Annual subscription (post free) 10s.

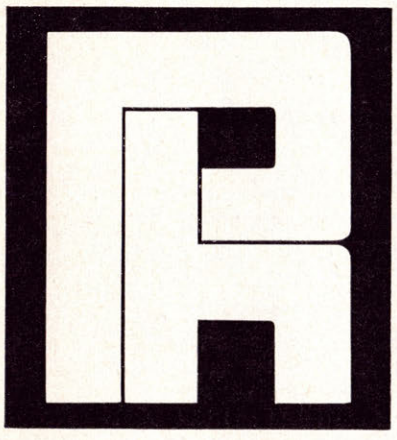
SHOOTING TIMES
Official organ of the Wildfowler and Clay Pigeon Associations. All sporting shooting/country topics/dogs/game rearing/fishing. Published weekly by the Burlington Publishing Co. (1942) Ltd., Braywick House, Braywick Road, Maidenhead, Berkshire. Price 2/–. Subscription 12 months £5 4s. (U.S. $14.50), 6 months £2 12s. (U.S. $7.25), 3 months £1 6s. (U.S. $3.75).

Details are current at the time of going to press. Correspondence concerning any of these publications must be sent direct to the magazine in question.

choose your weapon!

If you wish to buy a rifle and have difficulty in deciding what type to choose, the first consideration must be the kind of shooting which you wish to do; target or game shooting, open air or indoor practice, serious sport or back yard plinking.

Rarely can weapons be chosen for multi-purpose use. Each type, apart from questions of cost, quality and personal preference, is designed for a specific purpose or includes some important individual feature. To help you make your choice we are always ready to answer queries from any part of the world and will advise you as fully as possible, but responsibility for the final choice must rest with the purchaser.



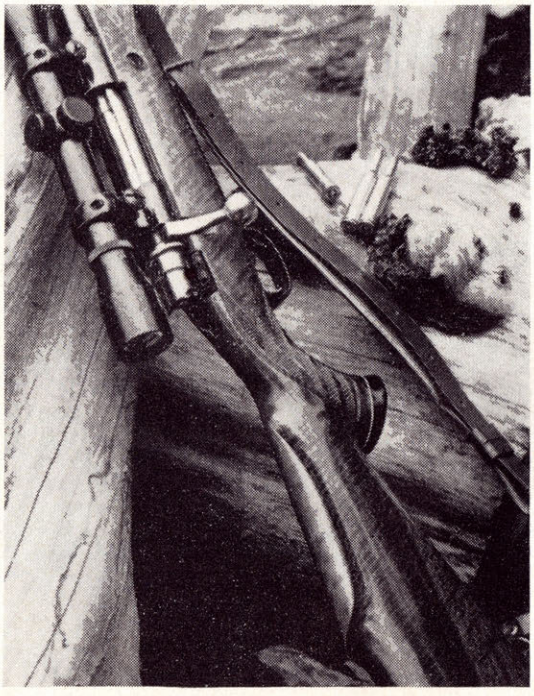
RIFLE SHOOTING

PARKER HALE LTD. BIRMINGHAM 11

The Parker-Hale Super 1200 Series

PARKER-HALE SUPER 1200 SERIES AVAILABLE WITH CLIP LOADING (MODEL 1200C) OR HINGED FLOOR PLATE MAGAZINE (MODEL 1200)

The Parker-Hale Super, at a popular price, represents a real revolution in value for here is a superb sporter with all the qualities of the most expensive Custom built rifles – combining a magnificently styled stock, top quality finish and proven Mauser reliability and strength. Parker-Hale give you the choice of loading by clip (model 1200C) or hinged floor plate magazine (model 1200).



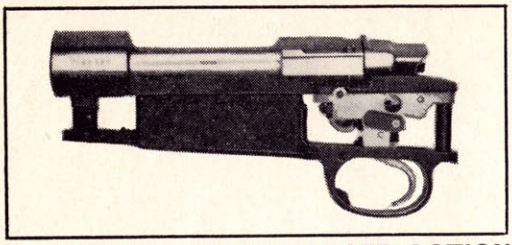
PARKER-HALE SUPER 1200 AND 1200C SERIES

The distinguished two-tone Custom line Walnut stock features a rollover Monte Carlo cheekpiece for faster, surer sighting and a new-shape Wundhammer grip whilst tasteful handcrafted skip checkering and genuine rosewood at fore-end and grip cap provide the last word in elegance. Finished to an ultra high gloss and fitted with a ventilated rubber recoil pad. The time tested Mauser action in new streamlined styling is probably the strongest commercial action in the World. A choice of fast, foolproof clip loader or loading by means of a hinged floor plate magazine holding cartridges in position under recoil, preventing jamming. The 18ct. gold plated, adjustable trigger is combined with a three-way silent side safety which locks trigger, sear and bolt. Action and barrel are highly polished and finished in a deep blue lustre. The beautifully contoured barrel is cold forged by the latest technique and is fitted with a flip-up, adjustable rear sight and ramp mounted bead front sight with hood. The receiver is drilled and tapped for standard U.S. 'scope mounts.

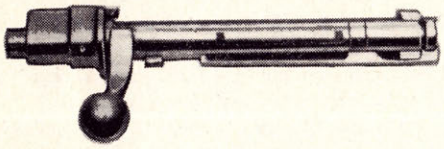
SPECIFICATION:

Calibres **Clip model 1200C** 243W, 7×57, 308W, 6mm Rem., 270W, 30/06. *Calibres* **Hinged floor plate magazine model 1200** 22/250, 243W, 6mm Rem., 7×57, 7×64, 270W, 308W, 30/06, 7mm Rem. Mag., 300Win. Mag., 308 Norma Mag., (Magnums available in Model 1200 only). *Barrel Length* 24". *Overall Length* 45". *Cartridge Capacity* 5 shot (Magnum 3). *Sights* Bead front sight, folding adjustable rear sight. Receiver drilled and tapped for standard scope mounts. *Safety* Slide thumb safe, locks trigger, bolt and sear. *Trigger* Single stage, adjustable for weight and backlash. *Stock* Monte Carlo skip checkered. *Drop at Comb* 1.8". *Drop at Heel* 2.3". *Length of Pull* 13½". *Weight* 7¼lb. (approx.).

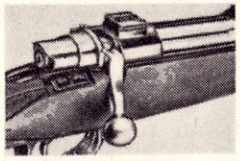
PARKER-HALE SUPER



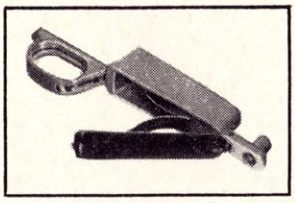
INCOMPARABLE MAUSER ACTION
The classic Mauser design with its two forward locking lugs and extra safety lug, machined from a solid steel forging, is probably the World's strongest commercial action. It is extremely versatile, handling a very wide range of calibres, from 222 Rem. up to the heaviest African Big Game calibres.



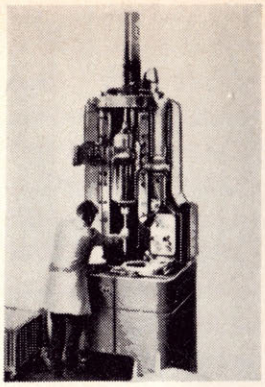
BOLT Whatever the choice of calibre, each cartridge is fed and extracted faultlessly, held by the non-rotating extractor which prevents scraping of cartridge shells and gives a clean feed every time. Feed control avoids the need to work cartridges fully into the chamber when emptying the magazine through the action.



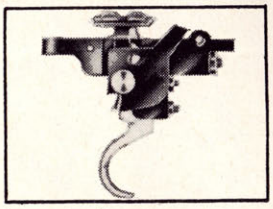
3-WAY, TRIPLE LOCKING SIDE SAFETY A silent side safety locks trigger to prevent accidental discharge, locks bolt to avoid loss of cartridge in chamber, locks sear for positive triple security.



HINGED FLOOR PLATE MAGAZINE
The hinged floor plate magazine is designed to hold any length of cartridge in position under recoil, avoiding mashed bullet tips and jammed shells. A concealed Oberndorf-style thumb catch releases the swing-open floor plate.



NEW TECHNIQUES
Cold forging machines (as illustrated in our plant) make Parker-Hale's barrels by the most up-to-the-minute hammering technique. The perfectly finished, highly polished rifling is produced in a single operation. Delivering pressures up to 100 tons metric and over, this advanced process results in an increase in tensile strength of about 5-10% and boosts barrel life by work hardening the interior and exterior surfaces.

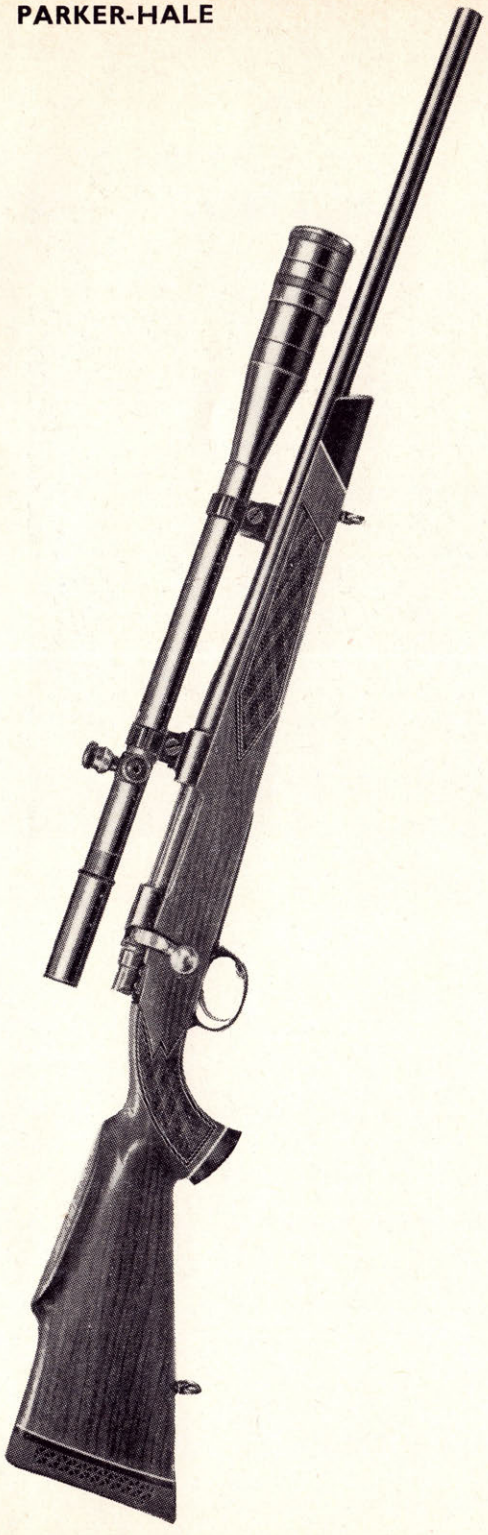


SINGLE STAGE ADJUSTABLE TRIGGER
This fine, target quality, single stage trigger mechanism features adjustments for backlash and trigger weight. The short, crisp, clean pull gives the minimum of mechanical delay between thought and shot.

TEST FIRING
All Parker-Hale sporters are inspected, test fired and zeroed by qualified factory technicians prior to despatch.

PROOF TEST Every rifle that leaves the Parker-Hale plant bears the stamp of the Birmingham Proof House on barrel, receiver and bolt. Look for this mark. It tells you that the rifle has passed the most rigorous test of strength and safety carried out by the independent Birmingham Proof Authority.

WARRANTY Every Parker-Hale Sporter is guaranteed against quality defects resulting from workmanship or materials used in construction.

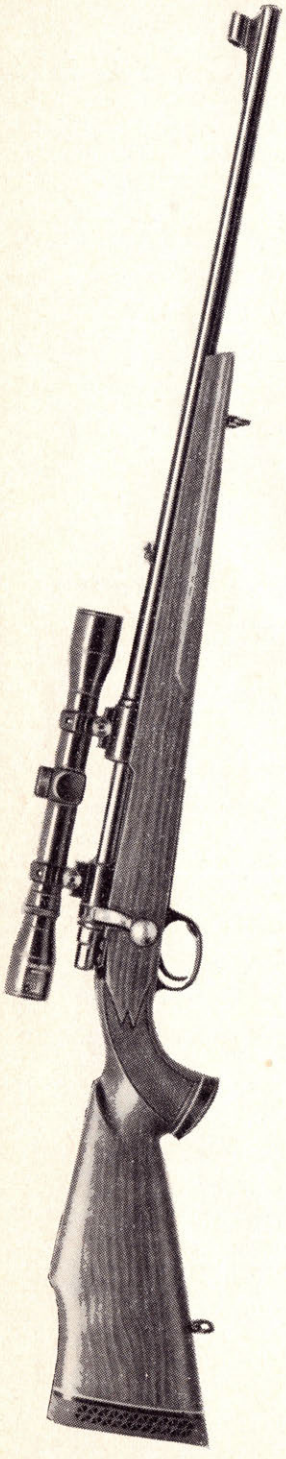


PARKER-HALE
1200V VARMINT MODEL

The brilliant new Parker-Hale 1200V Varmint Rifle is designed for top accuracy. It features a free floating, 4 lb. target quality barrel. The action, which is glass bedded for constant zero, is drilled and tapped to accommodate hunting 'scopes and the barrel is also drilled and tapped to carry a target 'scope base block. The superb duo-tone European walnut stock has high comb with rollover cheekpiece, Wundhammer grip and ventilated recoil pad. The time tested Mauser action in new streamlined styling is probably the strongest commercial action in the World. The hinged floor plate magazine holds cartridges in position under recoil, prevents jamming. The 18ct. gold plated, adjustable trigger is combined with a three-way silent side safety which locks trigger, sear and bolt. Action and barrel are highly polished and finished in a deep blue lustre.

SPECIFICATION:

Calibres: 22/250, 6mm. Rem., 243 Win. *Barrel Length*: 24". Free floating barrel. *Overall Length*: 45". *Cartridge Capacity*: 5 shot. Glass bedded action. Receiver and Barrel drilled and tapped for standard scope mounts. *Safety*: Slide thumb safe, locks trigger, bolt and sear. *Trigger*: Single stage, adjustable for weight and backlash. *Stock*: Monte Carlo, skip checkered. *Drop at Comb*: 1 8". *Drop at Heel*: 2 3". *Length of Pull*: 13½". *Weight*: 9½lb. (approx.).



PARKER-HALE DE LUXE
1100 Series

The highly successful Parker-Hale De Luxe is now offered with a distinctive new style stock featuring a fluted, semi-beavertail fore-end, fully checkered on the underside and full pistol grip with Wundhammer swell. This stock is of selected European Walnut and has a Monte Carlo cheekpiece with contrast at grip cap. Fitted with a ventilated rubber recoil pad and attractively finished by white spacers at grip cap and butt. The time tested Mauser action in new streamlined styling is probably the strongest commercial action in the World. The hinged floor plate magazine holds cartridges in position under recoil, prevents jamming. The adjustable trigger is combined with a three-way silent side safety which locks trigger, sear and bolt. Scope base blocks are supplied (but not fitted) to accommodate Parker-Hale "Roll-Off" scope mounts. Sighting is provided by a fully adjustable rearsight and a ramp mounted bead foresight with tubular protector on a top quality steel barrel. A distinguished sporter with proven reliability.

SPECIFICATION:

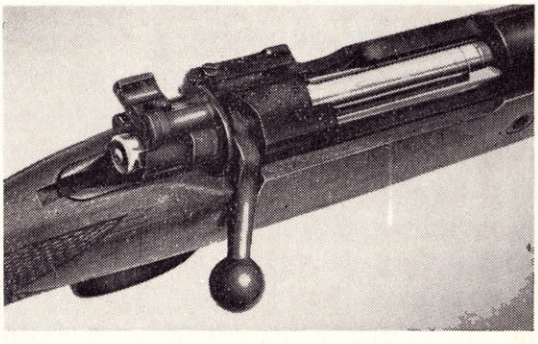
Calibres: .243 Win., 6mm. Rem., .270 Win., 7×57, 7×64, .30/06, .308 Win. *Barrel Length*: 24". *Overall Length*: 45". *Mag. Capacity*: 5 shot. *Sights*, *Safety* and *Trigger* as 'Super'. *Drop at Comb*: 1.7". *Drop at Heel*: 2.7". *Drop at Monte Carlo*: 1.9". *Length of Pull*: 14". *Weight*: 7lb. (approx.).

THE SAFARI AFRICAN MAGNUM

1091

Amongst the many features of this great Parker-Hale sporter in .375 Magnum and .404 Magnum are a double pull trigger; standard "V" shallow fixed backsight with vertical white line; ramp mounted bead foresight with tubular protector; top quality 24" steel barrel; fully checkered; specially selected European Walnut Stock with Monte Carlo cheek-piece, snobble fore-end. Handsome white spacers add elegant "finish" to the double ventilated recoil pad and grip cap. Drilled and tapped, but not fitted with 'scope blocks (these are supplied at no extra charge with each rifle).

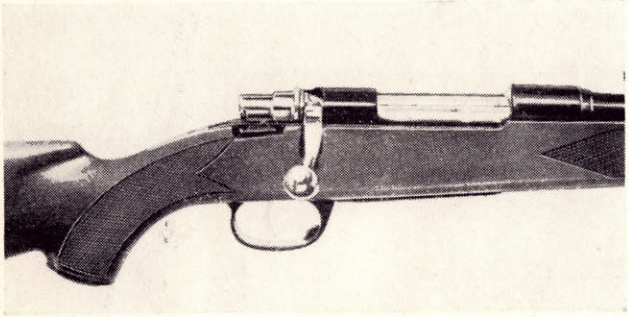
A special feature of this weapon is the fine traditional black lustre finish on metal parts. Other notable features of the Safari African Magnum are a hinged floor plate with release in the trigger guard; 180° flag type safety (a 'scope safety is also supplied for use if required); back-swept bolt lever.



SPECIFICATION

Calibre .375 Magnum, .404 Magnum. *Barrel Length* 24". *Overall Length* 44½". *Magazine Capacity* 3 shot. *Sights* Standard "V" shallow fixed backsight and bead foresight. *Receiver* Drilled and tapped for "Roll-Off" 'scope base blocks. *Trigger* Double pull. *Stock* Monte Carlo, Custom checkered. *Drop at Comb* 1¾". *Drop at Heel* 2¾". *Drop at Monte Carlo* 2". *Length of Pull* 14". *Weight* 8½lb.

PARKER-HALE STANDARD SAFARI (1000 SERIES) AVAILABLE WITH CLIP LOADING (MODEL 1000C) OR HINGED FLOOR PLATE MAGAZINE (MODEL 1000)



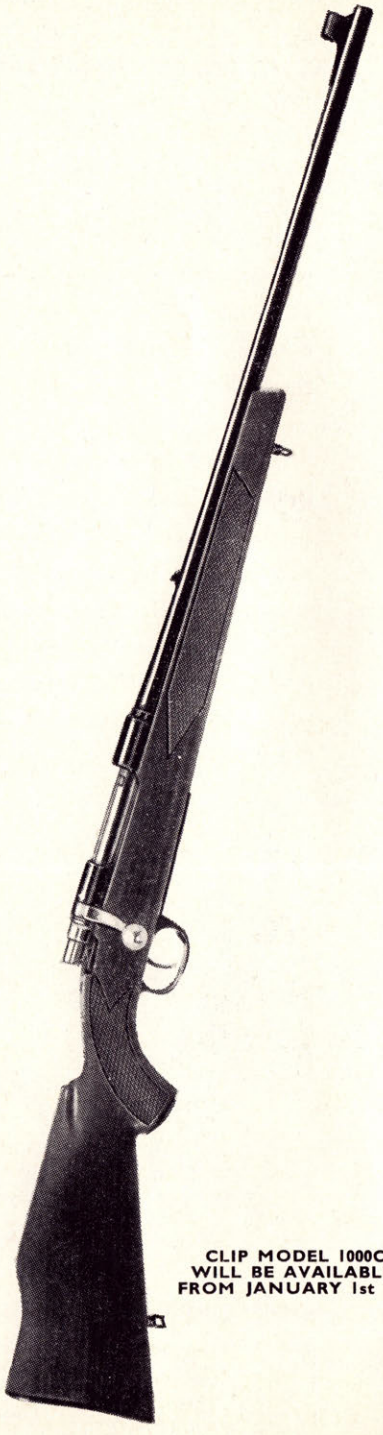
NEW FEATURES INCLUDE —

- IMPROVED MAUSER ACTION
- HINGED FLOOR PLATE MAGAZINE
- SLIDING SIDE SAFETY

The highly successful Standard Safari has now been restyled to incorporate a number of refinements previously associated only with more expensive Mauser sporters. This new standard model features an improved commercial Mauser action for strength and reliability and gives you a choice of loading by CLIP (model 1000C) or by hinged floor plate magazine with thumb-operated release catch (model 1,000). Another refinement is the silent sliding side safety. The new-style stock with its improved shape features a Monte Carlo cheekpiece, palm swell and fitted sling swivels. Flip-up rearsight, ramp mounted bead foresight with tubular protector. The receiver is drilled and tapped for (but not fitted with) 'scope mount bases (List No. A22 and A28). Now, more than ever, the Standard Safari represents the best value amongst lower priced Mauser sporters.

SPECIFICATION

Calibres **Clip model 1000C** 243W. 6mm. Rem., .270 Win., 30/06, 308 Win. *Calibres* **Hinged floor plate model 1000** .243 Win., 6mm. Rem., .270 Win., 30/06, .308 Win. *Barrel Length* 24". *Overall Length* 44½". *Sights* Bead frontsight, folding adjustable rearsight. Receiver drilled and tapped for Parker-Hale "Roll-off" scope base blocks. *Stock* Monte Carlo, Custom checkered. *Drop at Comb* 1.8". *Drop at Heel* 2⅞". *Drop at Monte Carlo* 2". *Length of Pull* 13¾". *Weight* 7lb. (approx.).



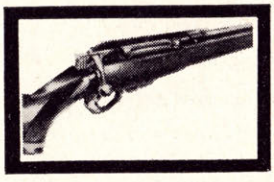
CLIP MODEL 1000C WILL BE AVAILABLE FROM JANUARY 1st 1970

.303 LEE ENFIELD SPORTING RIFLES

CUSTOM No. 4

This excellently finished Sporter brings .303 shooting up-to-date with its elegant Custom line stock of selected seasoned walnut representing truly superior styling – yet at a surprisingly low budget price. Its distinguished duo-tone appearance is achieved by a contrasting wood fore-end tip and grip cap attractively enhanced by white spacers. Fitted with an adjustable sporting rearsight of precision manufacture. Drilled and tapped to accommodate an adjustable P.H. side mount base (No. A29) optional extra in tough, lightweight dural. Fitted with a double ventilated recoil pad for the maximum of shooting comfort.

List No. 1384



New, streamlined Profile

SPECIFICATION:
Barrel length: 22 ins. Magazine Capacity: 5 shot. Drop at Comb: $1\frac{5}{8}$". Drop at Heel: $2\frac{5}{8}$". Drop at Monte Carlo: $1\frac{5}{8}$". Length of Pull: $14\frac{5}{8}$". Weight: 8 lbs.

.303 LEE ENFIELD SPORTING RIFLES

Neat, new 'scope mount

CUSTOM No. 1

This great .303 combines reliability with superb styling and represents unprecedented value. It utilises the famous S.M.L.E. action which is recognised throughout the World for its dependability. Elegantly streamlined, the Custom No. 1 offers the latest and most distinctive Custom line stock of selected, seasoned European walnut, which is finely checkered and has contrasting wood fore-end tip and grip cap both attractively relieved by white spacers. Drilled and tapped to accommodate an adjustable P.H. side mount base (A27, optional extra) in tough, lightweight dural. Fitted with an adjustable sporting rearsight and a double ventilated rubber recoil pad.

List No. 1420

SPECIFICATION:

Barrel length: 22 ins. Magazine Capacity: 5 shot. Drop at Comb: $1\frac{5}{8}$". Drop at Heel: $2\frac{5}{8}$". Drop at Monte Carlo: $1\frac{5}{8}$". Length of Pull: $14\frac{1}{4}$". Weight: 8 lbs.

.303 LEE ENFIELD SPORTING RIFLES

List No. 1411

SUPREME No. 1

This robust and reliable .303 sporter is stocked with a fine European walnut Monte Carlo stock with cheekpiece, checkered fore-end and grip. Employs the original time proven S.M.L.E. action and barrel. (Scope mount bases A20 and A21 available as optional extras). Each rifle is packed in an attractive carton.

SPECIFICATION:

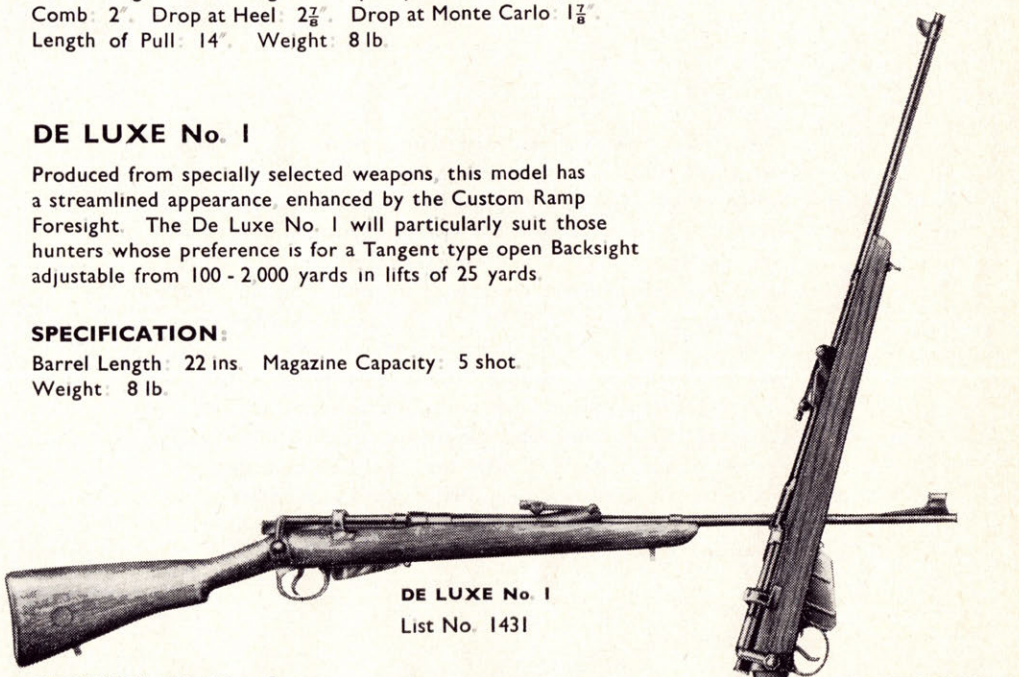
Barrel Length: 22". Magazine Capacity: 5 shot. Drop at Comb: 2". Drop at Heel: $2\frac{7}{8}$". Drop at Monte Carlo: $1\frac{7}{8}$". Length of Pull: 14". Weight: 8 lb.

DE LUXE No. 1

Produced from specially selected weapons, this model has a streamlined appearance, enhanced by the Custom Ramp Foresight. The De Luxe No. 1 will particularly suit those hunters whose preference is for a Tangent type open Backsight adjustable from 100 - 2,000 yards in lifts of 25 yards.

SPECIFICATION:

Barrel Length: 22 ins. Magazine Capacity: 5 shot. Weight: 8 lb.



DE LUXE No. 1
List No. 1431

STANDARD No. 1

Stripped, reblued, and woodwork refinished. Standard Tangent Backsight and original Military Foresight. Standard Sling Swivels.

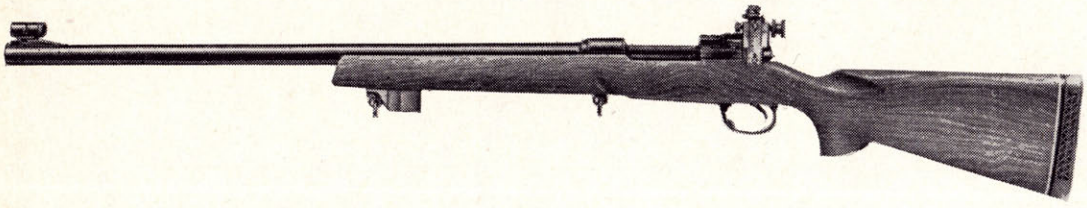
SPECIFICATION:

Barrel Length (overall) 25 ins. Magazine Capacity: 10 shot. Weight: 8 lb.

STANDARD No. 1
List No. 1451

PARKER-HALE 1200TX
7.62 TARGET RIFLE

Parker-Hale have had long associations with target rifle shooting and this new rifle is made with the know-how acquired over half a century. It is designed for maximum accuracy and the marksman can be assured of a soundly constructed weapon with a long and accurate barrel life.



These riflles have all the essential features inherent in the finest target rifles notably a free-floating barrel of the right weight and shape for complete stability, a perfect stock shape and a single stage fully adjustable trigger mechanism designed for faultless let off. Leading features include an improved commercial Mauser '98 action with strengthened action body (no thumb cut-out), glass bedded for stabilisation of zero. P.H. adjustable single stage trigger mechanism, a triple locking side safety which locks trigger, sear and bolt and a 1" diameter parallel, cold forged 26" barrel. The target style stock is fitted with a double ventilated rubber recoil pad, an adjustable hand stop and rear attachment revolving swivel in place of the front guard screw for use with singlepoint or two point attachment sling. The tunnel foresight gives a low sight line height over bore centre of 1.1"; the rearsight gives short eye relief.

Specification

Calibre: 7.62 mm. NATO. Barrel Length: 26" free-floating. Overall Length: 46¾" Cartridge Capacity: 5. Glass bedded action. Safety: Slide thumb safe, locks trigger, bolt and sear. Trigger: Single stage adjustable for weight and backlash. Stock: European walnut target stock with high comb, beaver tail fore-end, full pistol grip, ventilated rubber recoil pad, oil finish. Fitted with adjustable hand stop. Drop at Comb: 1 1/16" Drop at Heel: 1 5/16" Length of Pull: 13 3/16" Weight (with sights): 10½ lbs. (approx.)

List No. 0900

PARKER-HALE T4
NO. 4 LEE ENFIELD CONVERSION
TARGET RIFLE

For some years we have conducted extensive research in developing new target rifles in 7.62mm. NATO calibre and are pleased to announce that we have produced rifles which meet the essential standards of robust reliability and consistent high accuracy.

This No. 4 Conversion has the ruggedness of the famous No. 4 Lee Enfield which is recognised throughout the World for its reliability. Inspected and accepted No. 4 actions have the same 26" parallel barrel as the 1200TX, breeched up and equipped with a ramp mounted tunnel foresight to give a sight line of 1.1" over bore centre, in conjunction with a PH5C rearsight. The Parker-Hale T4 has a fine European Walnut Monte Carlo stock with cheekpiece, fitted with a double ventilated rubber recoil pad. The part-exchange service outlined below enables shooters in the United Kingdom to reduce considerably the costs involved in the purchase of a complete new conversion rifle.

PART EXCHANGE

Your new 7.62 target rifle may be obtained using either of these methods which range from the purchase of a completely new, competitively priced Parker-Hale rifle to exchanging your existing barrelled action for a new one in 7.62 NATO calibre.

1. Rifle supplied "as new" complete with sights. List No. 1361

2. Rifle supplied "as new" without rearsight (but with foresight). 1362

3. *Rifle supplied "as new" complete with sights but taking into consideration that you are sending your existing rifle to us, through a registered dealer, for part exchange. 1363

4. *Rifle supplied without rearsight (but with foresight) taking into consideration that you are sending your existing rifle to us, through a registered dealer, for part exchange, retaining in your possession the original target rearsight. 1364

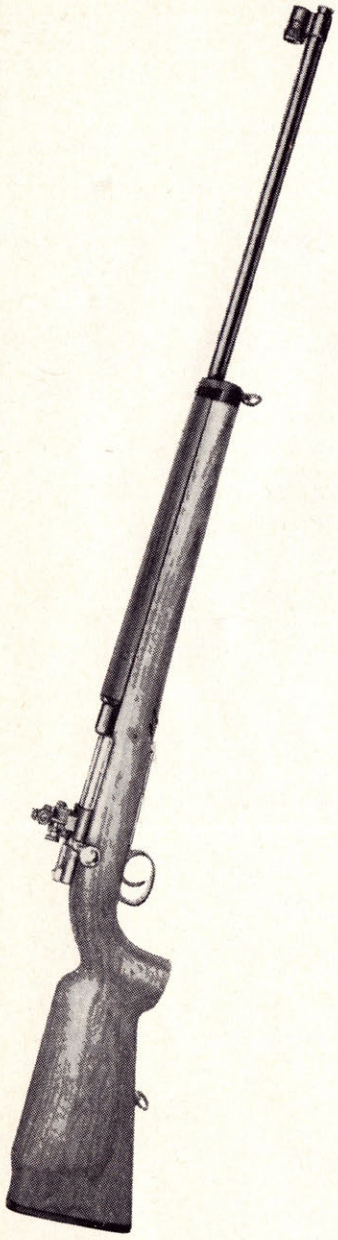
5. *Rifle supplied without rearsight (but with foresight) complete with converted military woodwork, taking into consideration that your own rifle, less rearsight, has been sent to us through a registered dealer. 1365

*Rifles received by us, on a part exchange basis, which have Mk. 1 or Mk. 1★ actions will be replaced with rifles having Mk. 1/2 and Mk. 1/3 actions respectively, as a bonus! Rifles having Mk. 2 actions will be replaced with Mk. 2 actioned rifles.

In the case of items 3, 4 and 5 a variation of your Firearms' Certificate will be necessary since a change in serial number and calibre will be effected.

SPECIFICATION

Calibre 7.62mm. NATO. *Barrel Length* 26" Free-floating. *Overall Length* 44¾" *Cartridge Capacity* 10. *Action* No. 4 Mk. 1/2, 1/3 or 2 depending on the type o action you send in part exchange. *Stock* European walnut, full pistol grip, semi-beaver tail fore-end, ventilated rubber recoil pad. Oil finish. *Drop at Comb* 2 1/16". *Drop at Heel* 2⅝". *Length of Pull* 13½". *Weight* (with sights) 10¼lb. (approx.) Complete with two blade and five ring elements.



CARL GUSTAF MODEL 63
7.62 TARGET RIFLE

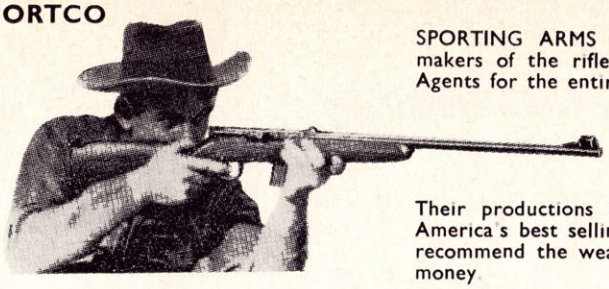
The famous Carl Gustaf Model '63' Competition Rifle in 7.62 NATO calibre first appeared in 1963, following extensive research and testing, and soon created a great impression at World Championships. It is now acknowledged by international marksmen as one of the World's finest competition rifles.

The Carl Gustaf '63' Rifle is built around the extremely reliable Swedish Mauser M94 or M96 action. Its superb stock is designed for stability and comfort in all positions and the cheekpiece is featured on both left and right sides of the stock. The free-floating barrel tapers from the breech to a parallel outside diameter of 0.748". A selection of quick change post and ring front sight elements is supplied. The trigger and trigger guard are knurled to give maximum control. The rifle is provided with a bracket for easy mounting of a PH5C sight.

SPECIFICATION

Overall Length: 49". Sight Radius: 32.7". Barrel Length: 29.1". Weight of Trigger Pull: 3.97lb.—0.44lb. Calibre: 7.62 NATO. Twist: 12". Action: Cocks on closing stroke of bolt. Stock: Walnut. Weight: 9.9 lb.
Normally supplied with a bracket for mounting a PH5c sight and specially modified foresight.

SPORTCO



SPORTING ARMS LIMITED of Adelaide, Australia, makers of the rifles shown below, are Parker-Hale Agents for the entire Australian territory.

Their productions obviously follow the pattern of America's best selling models and we are pleased to recommend the weapons illustrated as top value for money.

SPORTCO MODEL 71S AUTOLOADER

This entirely new Sportco autoloader is proving highly popular for its excellent balance and dependability: it is currently the best selling .22 sporter in Australia. Features include minimum trigger movement giving increased accuracy in long shots. Positive thumb-operated safety. Sporting rearsight with elevation adjustment. Inletted trigger guard. Receiver machined for 'scope mounting.

Specification:

Calibre:	.22
Barrel Length:	24″
Overall Length:	42″
Magazine Capacity:	10 shot
Weight:	6 lbs.

List No. 3171

BROWNING

The following are products of the famous Belgian firm of Fabrique Nationale D'Armes De Guerre S.A.

F.N BROWNING REPEATING RIFLE

This slide action repeater from the Fabrique Nationale Factory will shoot any type of .22″ calibre rim fire cartridge with great precision and if required it may be loaded with any assortment of these cartridges which will feed faultlessly through its action.

This post war version of a now famous production is fitted with an improved step adjustable open backsight and black bead foresight.

The receiver is grooved and Parker-Hale 'Roll-off' mounts in a dovetail size suited to this purpose are available. The half pistol grip stock and the grooved sliding fore-end are of nicely finished walnut giving maximum comfort.

Calibre	.22″
Barrel length	22″
Overall length	39″
Weight	$4\frac{3}{4}$ *lbs.*

List No. 3160 (*BRO 1A*)

MODEL A .22 CAL. AUTOLOADING RIFLE

This alternative product of the famous F.N. (Belgian) factory is also produced under original Browning patents and as its name implies it automatically loads each following cartridge from the magazine into the chamber so that the rate of fire possible is only determined by the speed at which one can pull the trigger. Owing to its excellent design and first-class construction, this rifle will give years of trouble-free service with a minimum of essential cleaning of the reciprocating components.

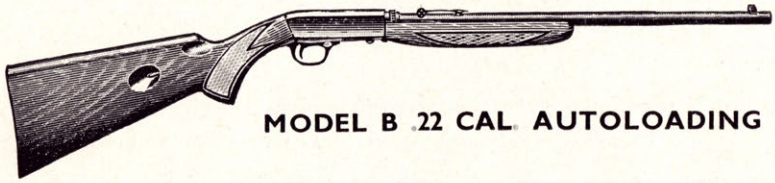
There are two models which outwardly have the same appearance, the **long rifle** model however, is now constructed so as to employ either regular or high velocity types of .22" calibre rim fire cartridge, whilst the model for **short** cartridges is made to work with any cartridges of this class with either regular or high velocity loads.

Unlike the repeating rifle, the autoloading rifle described here **will not work if short or long rifle cartridges are loaded indiscriminately**; hence the two distinct models. Both have the new step adjustable rearsight and bead foresight.

Receiver is dovetailed for telescope sight mounts. Parker-Hale 'Roll-off' are very suitable.

Calibre	.22"
Barrel length	19¼"
Overall length	36¾"
Weight	4 lbs.

List No. 3162 (*BRO* 3)
(*For* 8 *long rifle cartridges*)
List No. 3161 (*BRO* 2)
(*For* 11 *short cartridges*)



MODEL B .22 CAL. AUTOLOADING RIFLE

The Model B is a development of the well tried Model A rifle that will meet with universal approval on account of the man-sized full pistol grip stock and the large checkered fore-end. As with the earlier model it is furnished for use with the short cartridge or the long rifle cartridge, but not for use with both indiscriminately.

Receiver is dovetailed for Parker-Hale 'Rolloff' mounts.

Calibre	.22"
Barrel length	19¼"
Overall length	37"
Weight	4¾ lbs.

List No. 3164 (*BRO* 3B)
(*For* 11 *long rifle cartridges*)
List No. 3163 (*BRO* 2B)
(*For* 15 *short cartridges*)

BRNO

Made by the BRNO small arms factory, where the famous BREN light machine gun was designed, these rifles benefit from the accumulated experience and knowledge of one of the finest design teams in the World.

BRNO ZKM 581 DE LUXE

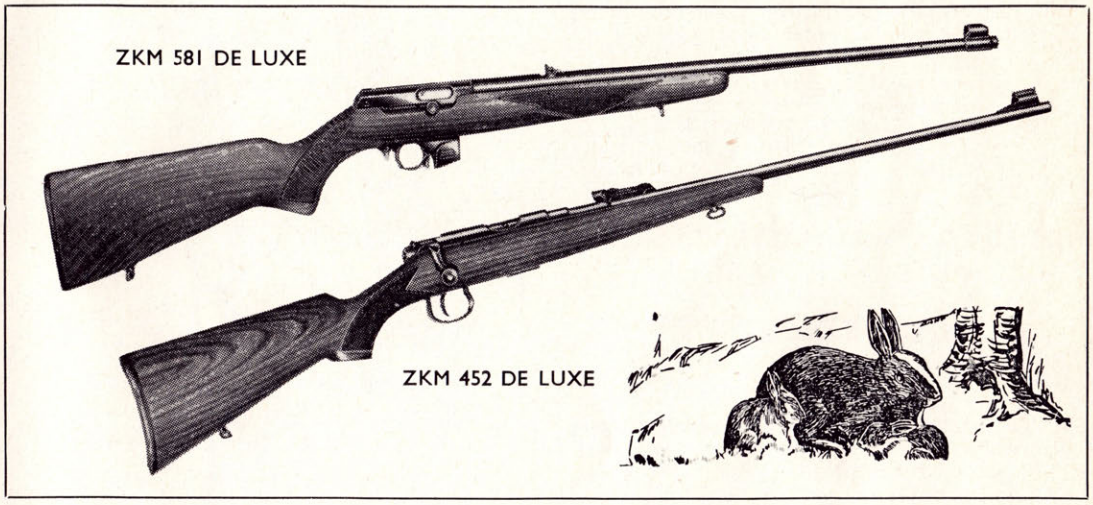
Manufacturer's remarks:

Outstanding consistency and accuracy are secured by a new method of mounting the barrel on to the stock. The short breech system overcomes the disadvantages of less modern designs which required long breech systems at the expense of balance and ease of handling. The ZKM 581 De Luxe features a specially designed trigger mechanism with retracting sear to guard against full automatic discharge; cross button safety on trigger guard and a 2-leaf rearsight, 50 and 75 metres, bead foresight. The parts are interchangeable and the rifle easily dismantled. Receiver milled for 'scope mounting.

Specification:

Calibre:	.22 LR Only
Barrel Length:	22″
Overall Length:	38″
Magazine Capacity:	8 cartridges
Weight:	5¾ lbs.

List No. 3165 (De Luxe)



BRNO ZKM 452 DE LUXE

Manufacturer's remarks:

In the production of this rifle design features, materials and treatment are appropriate to each part's function in the total performance of the rifle. The result is an ideal sporting rifle which, with proper care and maintenance, will give many years of consistently accurate performance.
Features include: adjustable trigger, tangent rearsight adjustable to 8 ranges, easily controlled safety, standardised interchangeable parts. Receiver milled for 'scope mounting.

Specification:

Calibre:	.22 LR
Barrel Length:	24¾″
Overall Length:	42½″
Magazine Capacity:	5 shot
Weight:	6½ lbs.

List No. 3167 (De Luxe)

NYLON MODEL "66" AUTOMATIC RIFLE

On this new Nylon 66 receiver parts, stock and barrel are an interlocking of steel and structural nylon that create a trouble-free automatic action. Lubrication is not necessary since friction-free parts glide on "greaseless bearings" of nylon. Fine checkering makes for fast, sure holding and conveniently located safety slips on quickly. Receiver grooved for 'scope mounts.

Calibre	.22 Long Rifle
Barrel Length	19⅝″
Overall Length	38½″
Magazine Capacity	14 LR Cartridges
Weight	4 lbs. List No. 3156

MODEL 552 "SPEEDMASTER" .22 CALIBRE AUTOMATIC

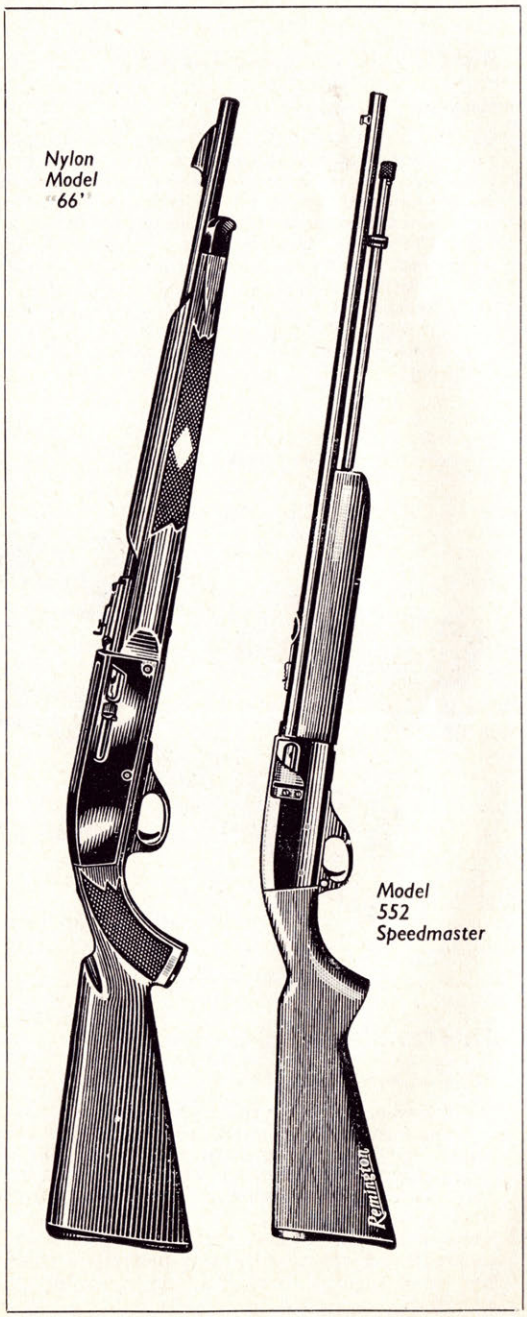
Ideal for small game hunting, controlling crop destroying pests or for just 'plinking'. Shoots .22 Short and Long Rifle cartridges interchangeably without adjustment. Features include attractive Walnut stock, cross bolt safety, grooved receiver for 'scope mounts.

Calibre	.22
Barrel Length	22¾″
Overall Length	42″
Magazine Capacity	20 Short, 17 Long, 15 Long Rifle Cartridges
Weight	5½ lbs. List No. 3158

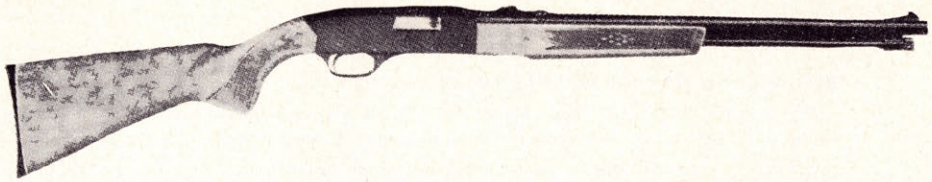
MODEL 572 "FIELDMASTER" .22 CAL. PUMP ACTION RIFLE

The "Fieldmaster" has an exclusive cartridge feeding design which prevents jamming, permits easy single loading. By simply removing the inner magazine tube, parent or instructor can convert the "Fieldmaster" into a single shot rifle. Grooved receiver for 'scope mounts.

Calibre	.22
Barrel Length	22¾″
Overall Length	42″
Magazine Capacity	20 Short, 15 Long Rifle Cartridges
Weight	5½ lbs. List No. 3159



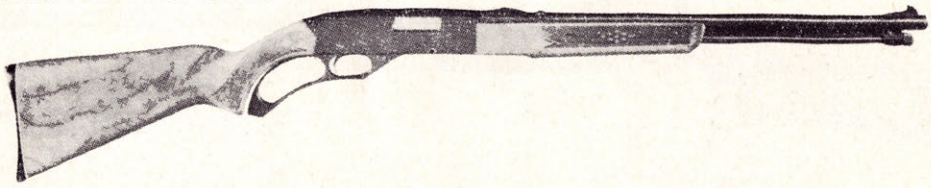
MODEL 290
.22 AUTOMATIC RIFLE



Following the trend to Automatics, Winchester have introduced this new model with its sleek modern lines. Of rugged construction, this .22 offers perfect balance, stout dependability and accuracy. Fitted with square post foresight on streamlined ramp and square notch rearsight, adjustable for elevation and windage. The receiver is grooved to permit easy scope mounting.

Calibre	.22"
Barrel length	20½"
Overall length	39"
Magazine capacity	21 *Short*, 17 *Long and* 15 *Long Rifle Cartridges interchangeably*
Weight	5 *lbs.* (*approx.*)
	List No. 3140

MODEL 250
.22 LEVER ACTION RIFLE



The rugged new model 250 lever action rifle is a direct descendant of the legendary model '73 "The Gun that Won the West." A century of lever action know-how enables shooters to choose a rifle with satisfying qualities of balance and accuracy. Fitted with square post foresight on streamlined ramp and square notch rearsight, adjustable for elevation and windage. The receiver is grooved to permit easy scope mounting.

Calibre	.22"
Barrel length	20½"
Overall length	39"
Magazine capacity	21 *Short*, 17 *Long and* 15 *Long Rifle Cartridges interchangeably*
Weight	5 *lbs.* (*approx.*)
	List No. 3141

MODEL 270
.22 PUMP ACTION RIFLE

This handsome new slide action .22 model is a particularly robust rifle. Its slide action is the outcome of 60 years' knowledge and experience. Fitted with square post foresight on streamlined ramp and square notch rearsight, adjustable for elevation and windage. The receiver is grooved to permit easy scope mounting.

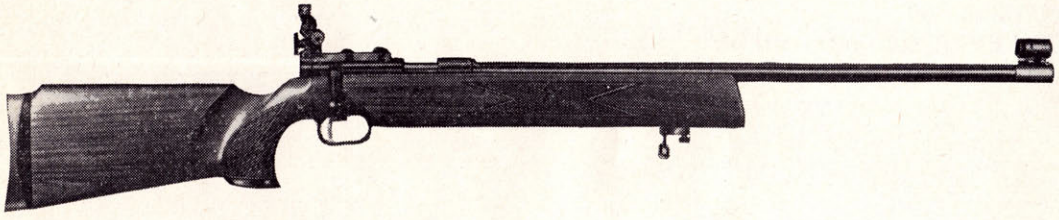
Calibre	.22"
Barrel length	20½"
Overall length	39"
Magazine capacity	21 *Short*, 17 *Long and* 15 *Long Rifle Cartridge interchangeably*
Weight	5 *lbs.* (*approx.*)
	List No. 3142

BOLT ACTION SMALLBORE TARGET RIFLES

Manufacturer's remarks

Anschutz rifles are made to the highest degree of precision and accuracy. Only the best grade steel is specially selected for the barrels. Each barrel is precision rifled with eight lands, grooved and carefully lapped. Chambering is by a special process that results in mirror smoothness and exact dimensions.
Only selected Walnut, well seasoned is used for Anschutz stocks. The length, shape and final balance of the rifle reflects many years of experience.
At the Tokyo Olympics, competitors using Anschutz rifles swept the board by winning all the Medals and at the World Shooting Championship 1966. 12 Gold Medals and three new World Records were won with Anschutz rifles.

NEW ANSCHUTZ I.S.U. MODEL



The Anschutz I.S.U. Standard Rifle, illustrated above, has been developed to meet the regulations of the 'Standard Rifle' as agreed by the International Shooting Union. It is fitted with the latest Micrometer Peepsight (No. 6705).

Calibre	.22 *Long Rifle*
Barrel	26″
Overall Length	44½″
Weight	11 *lb.*/5.0 *kg.*

List No. 3181

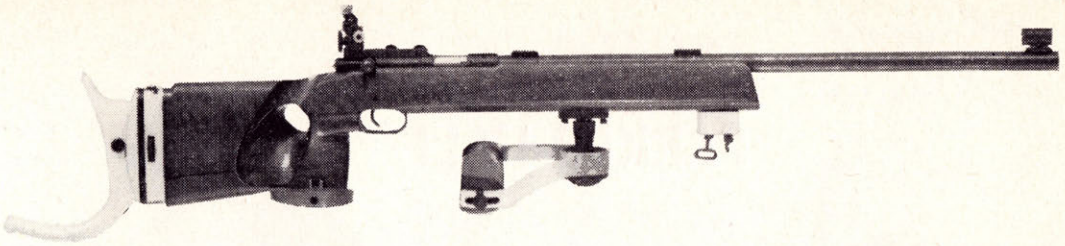
ANSCHUTZ MODEL 54

The Anschutz Model 54 the first and very successful prone rifle from the firm of Anschutz. Fitted with the heavy barrel to provide perfect balance with maximum rigidity it comes within the I.S.U. ruling maximum weight of 5.5 kg. Fitted with Micrometer Peepsight with scale plate No. 6702.

Calibre	.22 *Long Rifle*
Barrel	27¼″
Overall Length	46″
Weight	11¼ *lb.*/5.1 *kg.*

List No. 3180

ANSCHUTZ SUPER MATCH

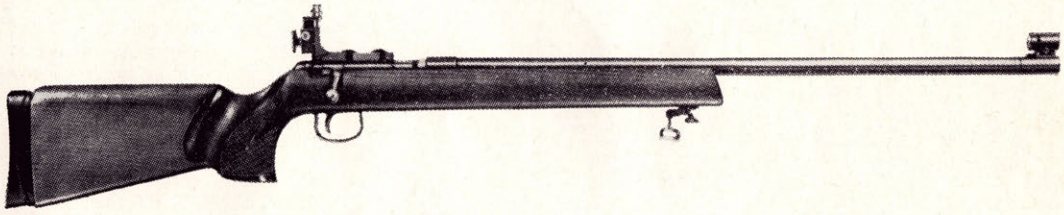


The Anschutz Super Match though designed specifically for Free Style Shooting can be obtained with fittings for prone shooting only. The Super match with heavy barrel, thumbhole type stock, adjustable butt and handshelf is the ultimate in perfection and has literally everything to suit the most advanced exponent in the field of small bore marksmanship.

Calibre	.22 *Long Rifle*
Barrel	$27\frac{1}{4}$′
Overall Length	46′
Weight	12 *lb.* 14 *oz.* (*with prone heel plate*)

List No. 3182

ANSCHUTZ MODEL 64

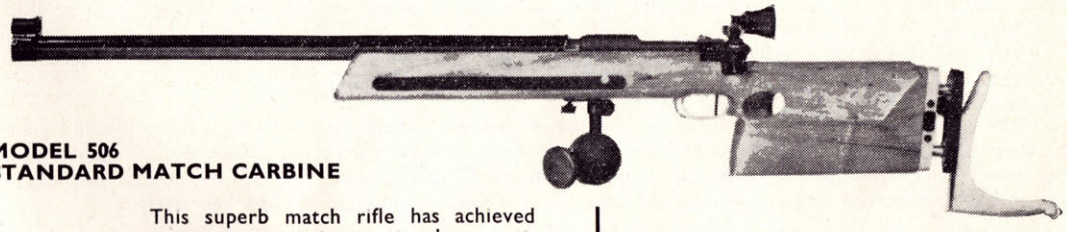


The Model 64 specially introduced for Clubs, Cadet Force Associations and younger shooters has won wide approval by shooters who want a lightweight rifle with excellent performance at a modest price.

Calibre	.22 *Long Rifle*
Barrel	26′
Overall Length	44′
Weight	$8\frac{3}{4}$ *lb.*

List No. 3185

HAMMERLI MATCH



MODEL 506
STANDARD MATCH CARBINE

This superb match rifle has achieved great success at international competitions. It features a heavy precision-built barrel, superior adjustable butt plate and adjustable two-stage match trigger. Eight-hole eyepiece, interchangeable foresight with matted anti-glare foresight tunnel. Headspace adjustment on closing of bolt. Distinguished walnut stock, oil finished. Group supplied. (Palm rest and sling extra).

Calibre	.22 *Long Rifle*
Overall Length	52′ (*approx.*)
Weight	16*lb.* (*approx.*)

Shoot Silently

with the

PARKER-HALE
SOUND MODERATOR

Parker-Hale Moderators operate by reducing the velocity rate of propellent gases to sub-sonic speeds before they emerge into the atmosphere.

Under the Firearms Consolidation Act of 1937, police permission is necessary to acquire a Sound Moderator. Firearms Certificates must be 'varied' by the Police authorising the purchase.

Despite the need to obtain police permission before acquiring this accessory, the Moderator continues in demand both at home and abroad, which must be construed as a tribute to its usefulness in the sporting field.

Maximum noise reduction is obtained by the use of .22 calibre rim-fire cartridges having a bullet velocity around 1,050 feet per second (or less) which ensures that no bullet flight noise occurs. If the popular **high velocity** rim-fire cartridges are used, the bullet will break the sound barrier and game will be alerted but not necessarily dispersed, since the Moderator can be relied upon to reduce the report noise in the open to a very small proportion.

Correct fitting of the attachment is essential and, after certificate variation by their local police, home buyers are recommended to approach a dealer with gunsmithing facilities for the fitting work to be carried out. Attachment requires a $\frac{1}{2}$" diameter × 20 t.p.i. thread correctly screw cut at the muzzle end of the barrel.

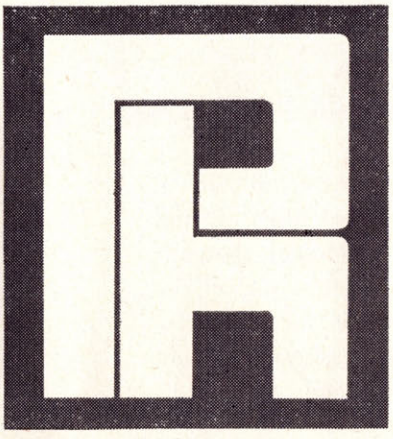
When the Moderator is removed from the barrel the exposed threaded muzzle end can be neatly protected with a thread protector supplied with each Sound Moderator.

Although the use of modern ammunition has eliminated the former corrosive effects there is still a gradual build up of harmless fouling which should not be allowed to reduce the efficacy of the Moderator, nor possibly deflect the bullet if any fouling became detached. An Assembling Tool is supplied to facilitate the necessary dismantling operation and care must be taken in reassembling to ensure that the baffle plates 'nest' correctly.

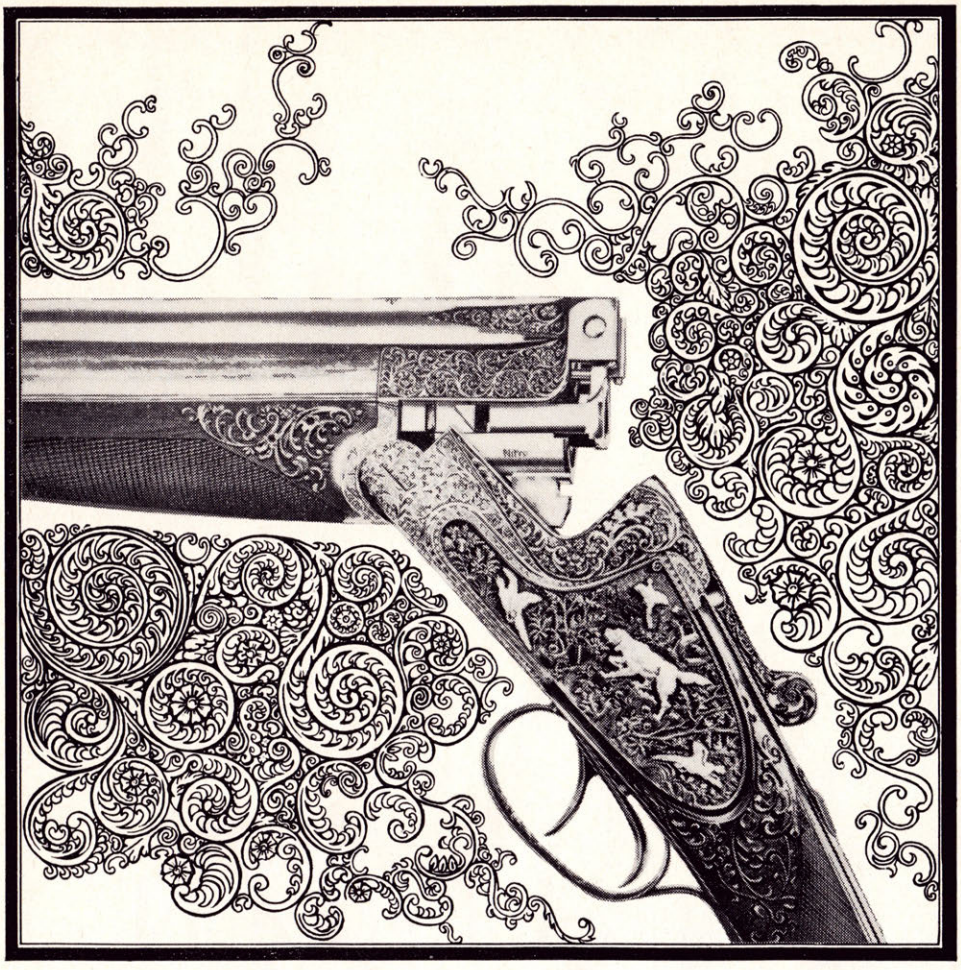
Sound Moderators can be fitted to .22" cal. rim fire single shot and self-loading pistols, but are not effective on revolvers.

SOUND MODERATOR

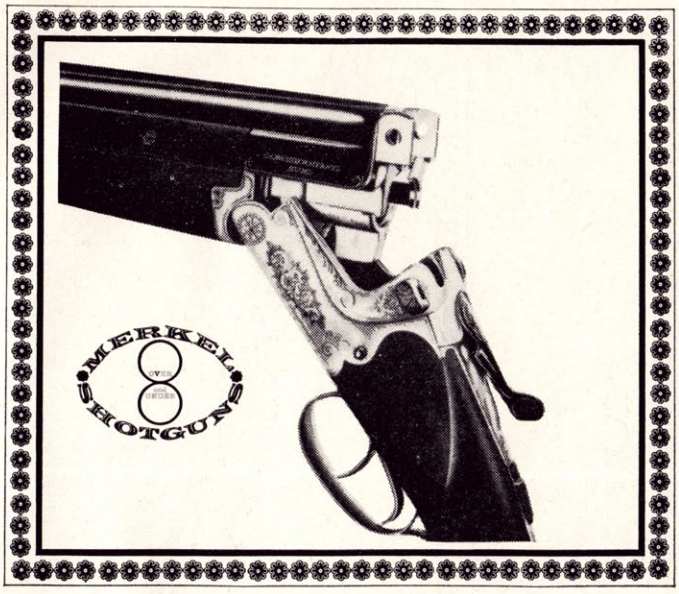
List No. MM. 1 includes Thread protector and Assembling Tool.
Length $6\frac{7}{8}$". Diameter $\frac{7}{8}$". Weight $3\frac{1}{4}$ ozs.
For use with .22" calibre rim fire cartridges **ONLY**.

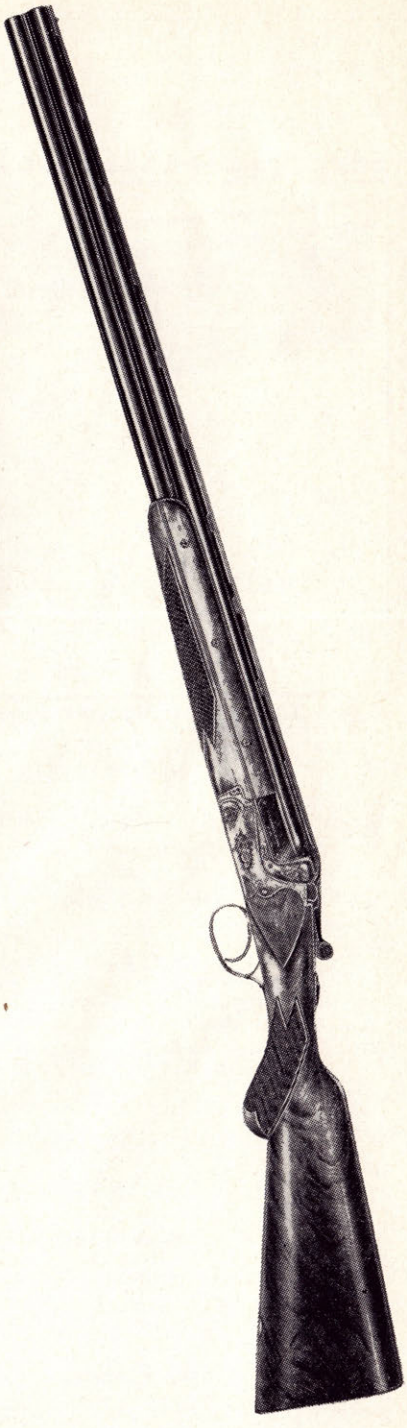


SHOTGUN SHOOTING



Merkel shotguns commemorate five centuries of superb craftsmanship which still survives in Suhl, the World's oldest centre of the gunsmith's art and historic birthplace of the wheel lock. In the making of Merkel shotguns ancient tradition has been honoured in the production of Best guns of the highest standard attainable. There is no detail in a Merkel Over and Under shotgun which fails to arouse profound admiration for fine craftsmanship and artistry. Parker-Hale are proud to be the Sole U.K. Importers of this Internationally-acclaimed marque.





MODEL 200E

Comparing favourably on price this excellent Over and Under, like other models in the range, has all the Merkel hallmarks of fine craftsmanship, unrivalled handling characteristics and a consistently superior performance. Finished with a neat scroll engraving. In 12 gauge only.

SPECIFICATION

Barrels: 28″ chambered for 2¾″ cartridges with a variation of choke borings. A choice of solid or ventilated rib.
Action: Automatic Ejector, Kersten locks, fine scroll engraving with case hardening colour. Hammerless.
Trigger: Choice of single non-selective, single selective or double trigger.
Stock: Selected Walnut with a choice of straight hand or pistol grip.
Weight: From 6½ lbs.

List No. 3360

TRAP MODEL 200ET

30″ Barrels with choke variations. Trap stock and fore-end. Double pull triggers as standard (single, non-selective trigger optional extra).

List No. 3360A

SKEET MODEL 200ES

As model 200ET but with 26″ skeet bored barrels.

MODEL 201E

This superb Merkel has the same specification as the Model 200E except for its more elaborate engravings. These are beautifully presented game scenes, of outstanding artistry. It is impossible to find another Over and Under, of this quality, which is readily available from stock. In 12 gauge only.

SPECIFICATION

Barrels 28″, chambered for $2\frac{3}{4}$″ cartridges with a variation of choke borings. A choice of solid or ventilated rib.

Action Automatic Ejector, Kersten locks. Fully engraved game scenes finished in grey stain. Hammerless.

Trigger Choice of single non-selective, single selective or double trigger.

Stock Selected Walnut with a choice of straight hand or pistol grip.

Weight From $6\frac{1}{2}$ lbs.

List No. 3361

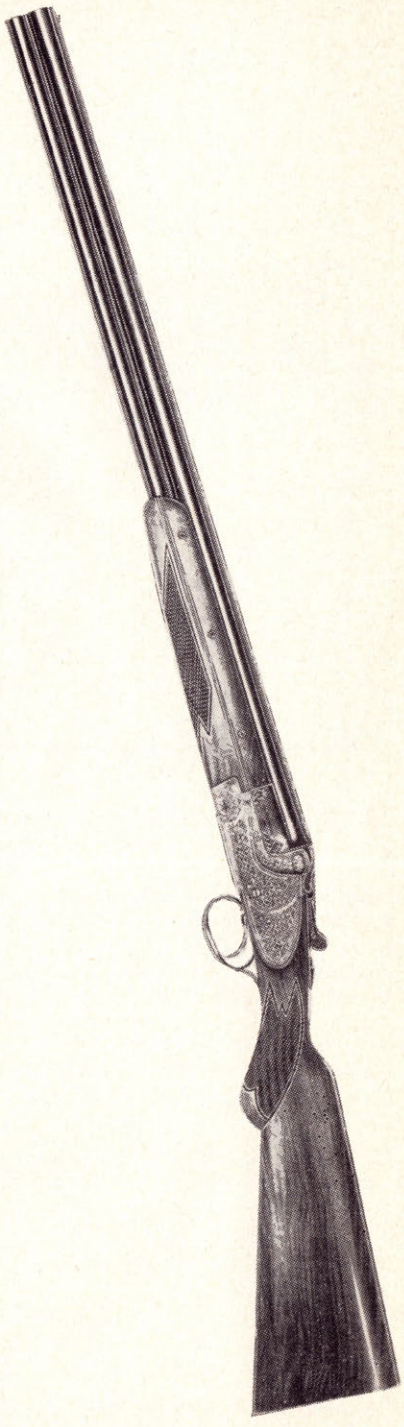
TRAP MODEL 201ET

30″ Barrels with choke variations. Trap stock and fore-end. Double pull triggers as standard (single, non-selective trigger optional extra).

List No. 3361A

SKEET MODEL 201ES

As model 201ET but with 26″ skeet bored barrels.



MODEL 203E

After owning this superb gun you will fully appreciate why Merkels are Masters of the World's shooting events (taking both 1st and 2nd place at the 1965 Leipzig Grand Prix). The model 203E is a particularly fine Sidelock with an attractively figured stock in Best Walnut and distinguished English scroll engraving. In 12 gauge only.

SPECIFICATION

Barrels: 28″, chambered for 2¾″ cartridges with a variation of choke borings. A choice of solid or ventilated rib.

Action: Sidelock (Holland and Holland type) automatic ejector with fine English scroll engraving stained grey. Hammerless.

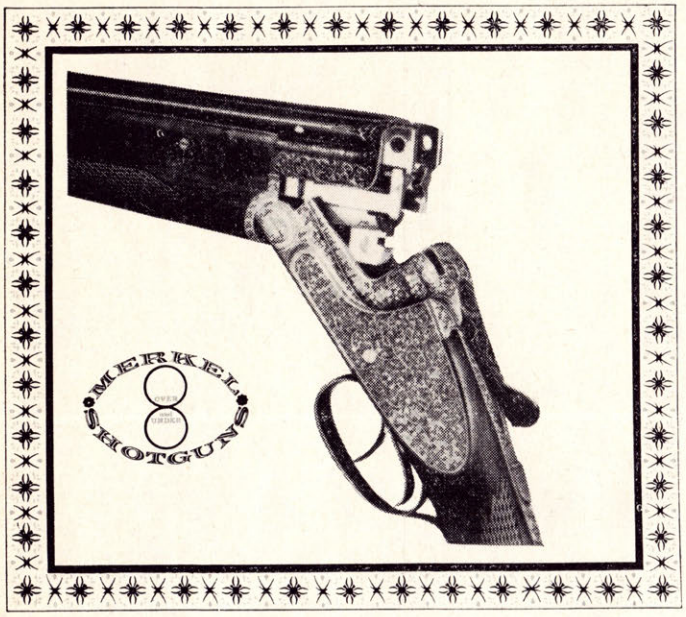
Trigger: Choice of single non-selective, single selective or double trigger.

Stock: Best Walnut with a choice of straight hand or pistol grip.

Weight: From 6½ lbs.

List No. 3362

Further particulars are available upon request.



MODEL 303E

Here is a Best Sidelock which combines the highest standards attainable in craftsmanship and artistry. A stock of finest Walnut is enhanced by the timeless beauty of rich English scroll engraving to produce the Merkel Model 303E. A truly magnificent Over and Under. In 12 gauge only.

SPECIFICATION

Barrels: 28″, chambered for 2¾″ cartridges with a variation of choke borings. A choice of solid or ventilated rib.

Action: Best sidelock (Holland and Holland type) automatic ejector. Superb English scroll engraving stained grey. Hammerless.

Trigger: Choice of single non-selective, single selective or double trigger.

Stock: Finest Walnut with a choice of straight hand or pistol grip.

Weight: From 6½ lbs.

List No. 3363

Further particulars are available upon request.

Miroku Shotguns combine the proudest traditions of orthodox gunmaking with the World's newest techniques. Extensive research and development have produced a range which fills the vital gap between the two extreme price levels yet maintains a degree of craftsmanship admired by discerning shooters in 35 countries.

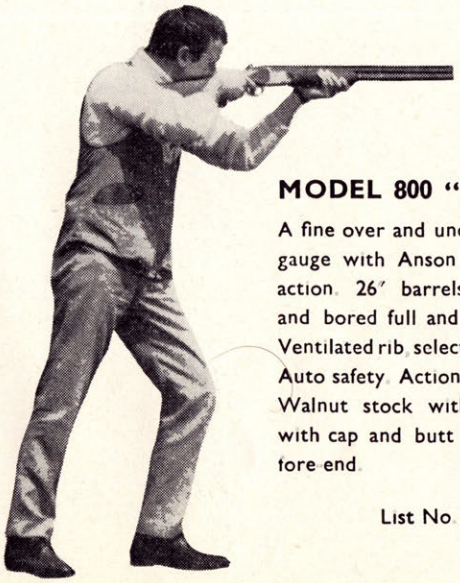
MODEL 800 "TRAP"

This fine over and under ejector gun is in 12 gauge and has an Anson and Deeley type action. It is fitted with 30″ barrels and chambered for 2¾″ cartridges with both barrels bored full choke. There is a ventilated rib and a selective single stage trigger. Automatic safety. The action is lightly engraved and the Monte Carlo stock is of a selected, well grained French Walnut, with full pistol grip. A deep rubber recoil pad provides the optimum in shooting comfort. English nitro-proved.

List No. 3369A

MODEL 800W

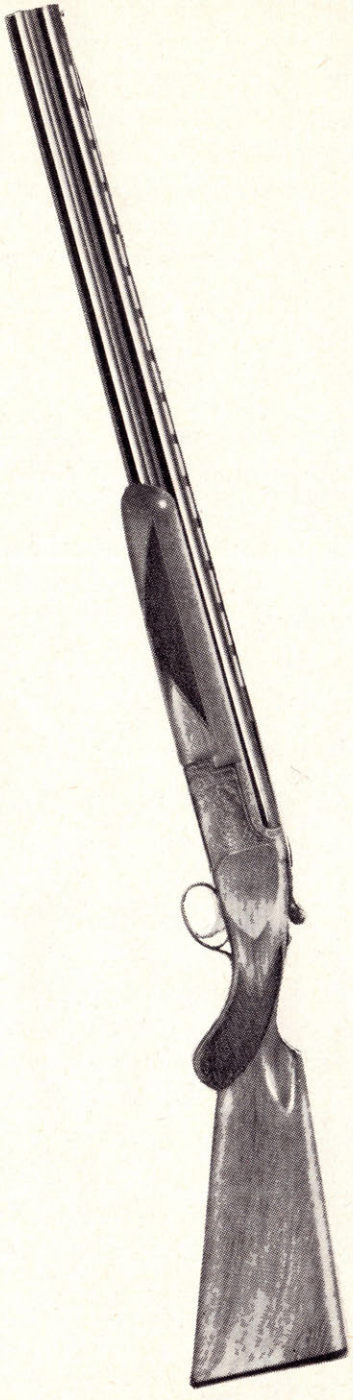
As above but with wide rib. List No. 3383C



MODEL 800 "SKEET"

A fine over and under ejector in 12 gauge with Anson and Deeley type action. 26″ barrels chambered 2¾″ and bored full and modified choke. Ventilated rib, selective single trigger. Auto safety. Action lightly engraved. Walnut stock with full pistol grip with cap and butt plate. Beaver-tail fore-end.

List No. 3369B



Like the Model 800 the 700 offers excellent balance, handles well and is available at an attractively modest price. For consistent results and all-round satisfaction this outstanding example of Japanese craftsmanship is unrivalled in its class

MODEL 700

This excellent over/under ejector in 12 and 20G. has an Anson and Deeley type action. 28″ barrels chambered for 2¾″ cartridges and bored full and modified choke. Solid matted rib. Selective single trigger. Automatic safety. Action lightly engraved. English straight hand stock. Stock and fore-end nicely checkered. English nitro-proved.

List No. 3368

MODEL 700 "SKEET"

As above with 26″ bore barrels.

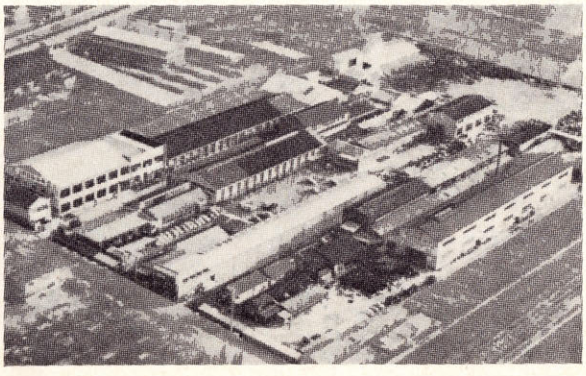
List No. 3382B

Miroku's relentless pursuit of the highest quality standards ensures consistent results and lasting pride of ownership. These guns are absolutely unrivalled in the Under £150 range.

MODEL 650

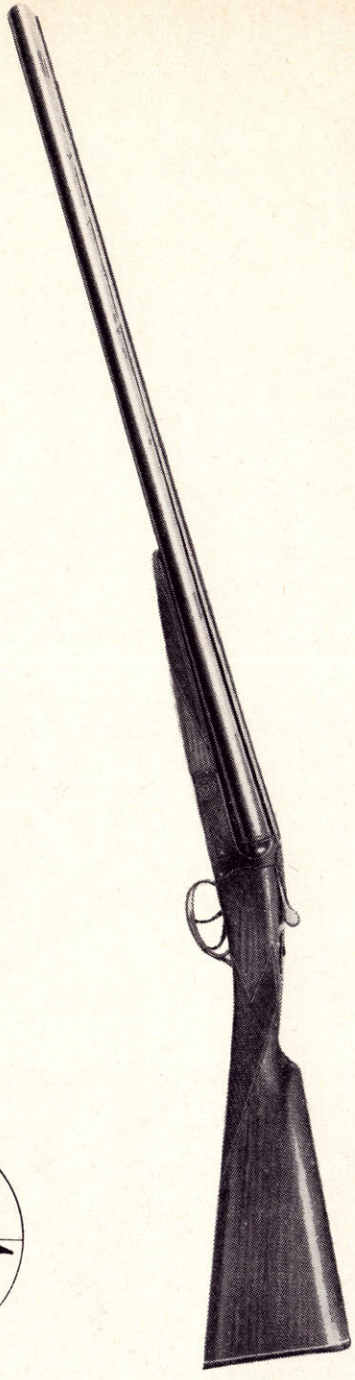
This excellent over and under ejector in 12 or 20 gauge has an Anson and Deeley type action. 28" barrels chambered for $2\frac{3}{4}$" cartridges and bored full and modified choke. Raised ventilated rib. Solid rib and double trigger. Automatic safety. Action lightly engraved. Half pistol hand stock. Stock and fore-end nicely checkered. English nitro proved.

List No. 3381



The Miroku Factory

MIROKU SHOTGUNS



The Miroku Side-by-Side has a quality finish totally unexpected of a gun retailing at so popular a price. Add to this superb balance and a consistently good performance and you have one of the finest side-by-sides, in its price range, available anywhere in the World.

MODEL 500E EJECTOR MODEL

This beautifully made 12 gauge side-by-side ejector gun has a box lock, hammerless action with top lever and automatic safety. The action is lightly engraved. 28″ barrels, left full, right improved cylinder; chambered for $2\frac{3}{4}$″ cartridges; checkered rib. Selected Walnut stock with straight hand grip and white spacers at grip cap and butt; checkered. Fore-end of push rod type, checkered.

List No. 3380C

THIS EXCELLENT GUN IS ALSO AVAILABLE AS A NON-EJECTOR – MODEL 500 – AND CAN BE OBTAINED IN 12 AND 20 GAUGE.

12 gauge List No. 3380A
20 gauge List No. 3380B

DOUBLE BARREL HAMMERLESS EJECTOR

The Model 700 Hammerless Ejector Gun is the most popular of the Webley range and probably the best value on the English market. The design retains all the features of the Anson and Deeley system which has stood the test of time for reliability. Well balanced with graceful outline, each gun receives individual attention by the most highly skilled craftsmen making it comparable with guns of the highest grade. Built throughout in the Webley and Scott factory.

The gun illustrated is the standard model, but it is also available to special order with more elaborate engraving and/or stocked and bored to individual requirements.

The Model 700 in standard form is available in 12, 16, 20 and 28 bore giving a choice of barrel lengths 26″, 28″ or 30″ with borings left $\frac{3}{4}$ choke and right $\frac{1}{4}$ improved cylinder and chamber lengths of $2\frac{1}{2}$″ or $2\frac{3}{4}$″. The standard rib is smooth concave, the action lightly engraved and colour hardened is a box lock hammerless, top lever opening with automatic safety, non-extension solid tumblers.

The stock is of well seasoned checkered walnut available as straight or half pistol grip to the following measurements. Length $14\frac{5}{8}$″, drop at heel $2\frac{1}{4}$″, bend at comb $1\frac{1}{2}$″, cast off $\frac{3}{16}$″, the fore-end catch is the superior Anson rod type.

Webley 12 bore guns weigh approximately 6 lbs. 8 ozs., 16 bore approximately 6 lbs. 4 ozs., 20 bore approximately 6 lbs., 28 bore approximately 5 lbs. 6 ozs.

The standard and most popular gun is the model 700. List No. 3340.

To special order the same gun with greater external embellishments and superior selected walnut is available as model 702. (List No. 3342) while Model 701 (List No. 3341) includes in its specification the finest quality of embellishment to individual requirements, special engraving and a gold oval in the well figured walnut stock.

MODEL 100 SINGLE BARREL SEMI-HAMMERLESS EJECTOR

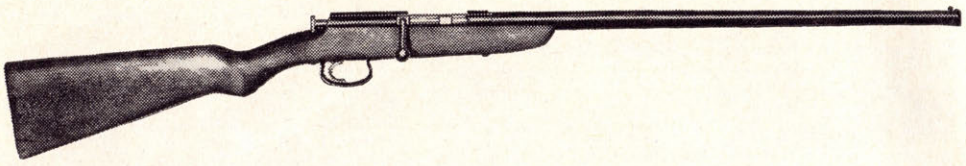
This Webley single barrel 12 bore top lever ejector shot gun features sound workmanship and barrel boring and dimensions conducive to gaining maximum results from the cartridge.

Stock and fore-end of well seasoned plain walnut. Length of pull $14\frac{1}{2}$″. Drop at heel $2\frac{3}{8}$″. Bend at comb $1\frac{7}{8}$″. Barrel standard boring, full choke, in 30″ or 32″. Chamber $2\frac{3}{4}$″ standard or 3″. Weight with 30″ barrel, 6 lbs. 8 ozs.

To special order: checkered fore-end and grip, 3″ chamber, sling swivels and variable choke attachment. List No. 3345

WEBLEY & SCOTT

410 BOLT ACTION GUN



This model was introduced to meet the demand or a low priced gun of sound construction. The bolt as well as being fitted with a double bite, is designed so that the gun can only be fired when the bolt is in the fully closed position. The loading operation on a Bolt Action Gun has always presented difficulty; to overcome this a patented feature is incorporated enabling the cartridges to be pushed home gently by the bolt.

A manual safety device is fitted.

All guns are patterned with No. 5 or No. 6 Shot before leaving the Works and give approximately 77 pellets in a 30″ circle at 40 yards.

In addition to factory tests each gun is independently proofed by the Birmingham Gun Barrel Proof House.

For packing or storage purposes the barrel can be detached from the stock by removal of two screws.

2½″ chambered, this extractor gun is fitted with an unchecker-ed Birch stock. De-luxe model has a Walnut stock, is hand checkered and polished, and is fitted with a heel plate.

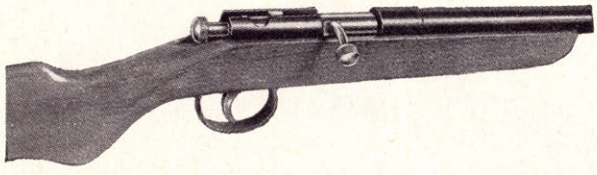
Gauge	.410
Barrel length	25½″
Weight	5¼ *lbs.*

Standard Model List No. 3347

De Luxe Model List No. 3348

No. 1 and No. 3

BOLT ACTION GARDEN GUN



This handy little gun is ideal for the destruction of vermin, such as grey squirrels, rats and small birds, also for scaring birds from cherry orchards etc. It is particularly suited for use in confined spaces such as barns, where a more powerful cartridge would cause structural damage.

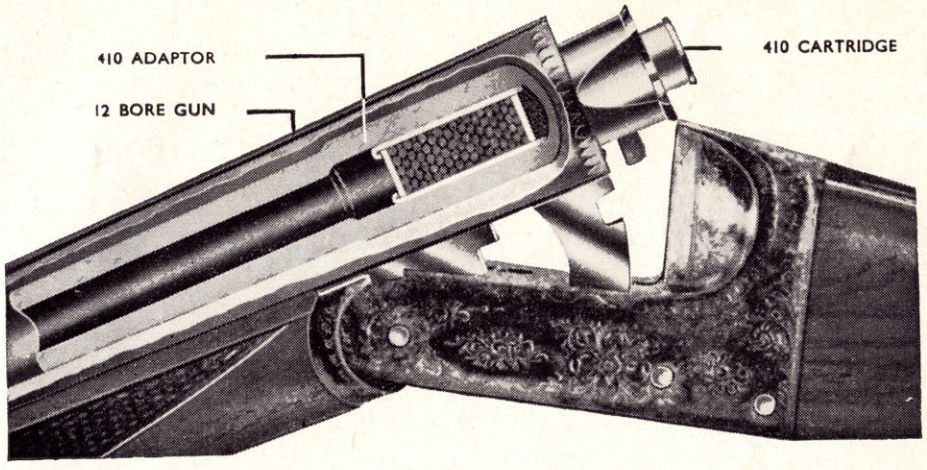
The gun is fitted with one piece birch stock and special safety device.

Gauge	*No. 1 Bore .22 or No. 3 Bore 9 mm.*
Barrel length	24½″
Overall length	41½″
Weight	4 *lbs.* 2 *ozs.*

No. 1 List No. 3349A

No. 3 List No. 3349

PARKER-HALE .410 CARTRIDGE ADAPTOR



The above illustration shows how the adaptor substitutes for the normal cartridge, enabling a .410 cartridge to be fired with results not far below those of a .410 bore gun.

Apart from the economy achieved on vermin shooting, there is a certain satisfaction to be gained out of "cracking a nut without resorting to a sledge hammer".

No harm to the gun can result from its use and these adaptors can conveniently be carried in the pocket, ready for use.

The shot pattern produced is controlled by the parent barrel. Penetration is only slightly less than when .410 cartridges are used out of a .410 shotgun.

The thumb nail groove is for the extraction of fired cases but a wooden dowel may be needed on occasion, if the case is stubborn.

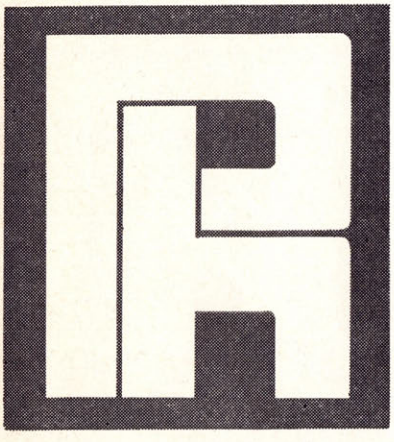
Due to the relative unpopularity of the 20 bore gun, we are no longer stocking this adaptor.

List No. 4480 (*ASG 1*)
For 12 bore guns, adaptors chambered for .410 cartridges up to 3" length.

List No. 4480A (*ASG 2*)
For 16 bore guns, adaptors chambered for .410 cartridges up to 2½" length.

List No. 4480B (*ASG 3*)
For 20 bore guns (while stocks last).

These Parker-Hale adaptors are Proof marked and boxed.



PISTOL SHOOTING

PARKER HALE LTD., BIRMINGHAM 11

Competitors taking part in the Free Pistol Championships at Bisley

Photograph by courtesy of the N.S.R.A.

PISTOL SHOOTING (Aiming) By Smith & Wesson

Eliminate the errors due to incorrect sighting, unsteady holding and imperfect trigger control and any Smith and Wesson revolver will, when shot single action, put every shot in a much smaller circle than the ten ring of the standard target for the distance shot. Given the accuracy of this revolver, good shooting depends upon the ability of the shooter to do correctly the three things required of him.

These things are sighting, holding and trigger control, and they can be learned by simply doing them. Some men will be able to co-ordinate these three things better than others—but anyone with surprisingly little practice can learn to do them well enough to do very creditable shooting with a revolver.

The first principle of sighting with open sights (with which all revolvers are equipped) is that the top of the front sight shall appear even with the top of the rear, or, put it in another way, the front sight must completely fill the rear sight notch. The second is that the front sight must be central in the rear notch.

HOLDING

By holding is meant the act of supporting the revolver with extended arm as steadily as possible so that the sights may be aligned with each other and with the bull's-eye and move as little as possible away from the correct alignment.

The word "holding" in itself suggests an action not only different from what is really proper but which will make accurate shooting impossible. A revolver should not be held at all in the sense of preventing it from moving by muscular effort, because if the muscles are in a state of tension they will tremble and make steady pointing of the pistol impossible.

To get the idea of correct "holding" let the arm hang at the side with every muscle completely relaxed. Then raise it to a horizontal position by means of the shoulder muscles alone. Grasp the revolver lightly, without any feeling of gripping it—and do not change the strength of grasp in the least.

Right here is one of the big secrets of good shooting, as the beginner will almost always convulsively tighten his grip on the gun just as the trigger is pressed and a wild shot results. Grasp the gun lightly, and do not tighten up in the least during sighting or when discharge occurs.

TRIGGER PRESSING

Just as any sudden tightening of the grasp will destroy the most perfect hold and cause a wild shot, so will any sudden pressure on the trigger force the pistol out of position and cause inaccuracy.

Only by very gradually increasing the pressure on the trigger can release be caused without disturbing the pointing of the pistol, and this must be done without changing the strength of the hold on the arm.

Here is the whole secret of good shooting—and it can be summed up in these words.

Pressure on the trigger must be applied gradually and obtained entirely by tightening the muscles controlling the trigger finger. The muscles in the arm, wrist and hand are not required to cause this pressure by the first finger and must not be tightened in the least.

Practice with an empty arm is the best known way to get this control, and this method is used by all expert shots. Practice this "dry shooting," preferably with expended shells in the chambers to absorb the hammer blow, holding on some definite point, until neither the trigger release nor hammer fall disturbs the pointing, and you will be far on the path towards becoming an expert revolver shot.

SPANISH STAR .22 CALIBRE AUTO LOADING PISTOLS

We are sole British Importers and Distributors throughout the Home Trade and in some overseas markets, for this well-known maker.

Star Handguns are chosen by many Police and Military Forces for their quality, efficiency and reasonable price. They emanate from a very modern light engineering plant located at Eibar, the ancient centre of the Spanish gunmaking industry.

To assure satisfaction in the British market all their .22" calibre weapons are specially tested for us using I.C.I. rim fire ammunition. All models listed here under are factory packaged complete with spare magazine, cleaning rod and instruction folder in attractive cardboard cartons.

The Model "FR" Series is now produced in a modified version with improved grips and fitted with slide stops.

MODEL FR TARGET

Adjustable sights. Comfortable thumb rest. Convenient safety catch. Grooved backstrap.

Calibre	22" *Long Rifle*
Magazine capacity	10
Barrel length	7"
Overall length	10"
Weight	29 ozs.

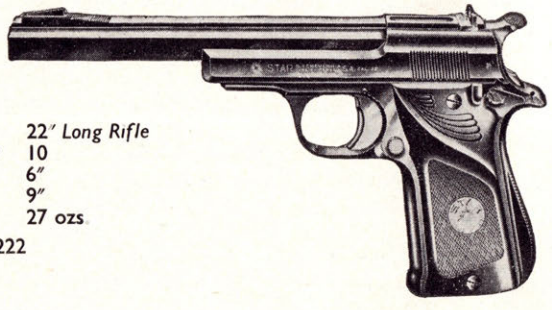
List No. 3224

MODEL FR SPORT

Virtually identical to model F Target, but with 6" as against 7" barrel length.

Calibre	22" *Long Rifle*
Magazine capacity	10
Barrel length	6"
Overall length	9"
Weight	27 ozs.

List No. 3222

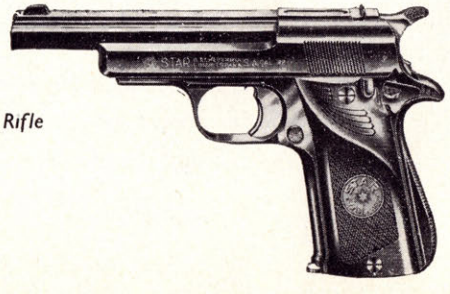


MODEL FR

Similar to the above models but with $4\frac{1}{2}$" barrel and fixed sights.

Calibre	22" *Long Rifle*
Magazine capacity	10
Barrel length	$4\frac{1}{4}$"
Overall length	$7\frac{1}{4}$"
Weight	26 ozs.

List No. 3223



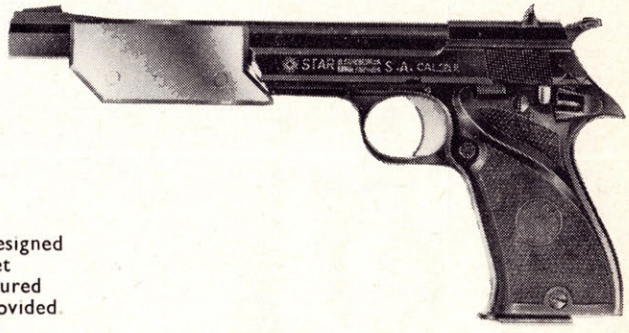
H. K. LANCER

This new addition to the Star range is an ultra-lightweight, short barrelled, pocket model. Well made for a long life.

List No. 3227

Calibre	22″ *Long Rifle*
Magazine capacity	7
Barrel length	3″
Overall length	5½″
Weight	14½ ozs.

COUNTERWEIGHTS FOR YOUR STAR PISTOL



This detachable counterweight is designed specially for fitting to the Star Target pistol. It is in two sections and is secured by Alan screws for which a key is provided. Expertly machined for snug fit to the barrel.

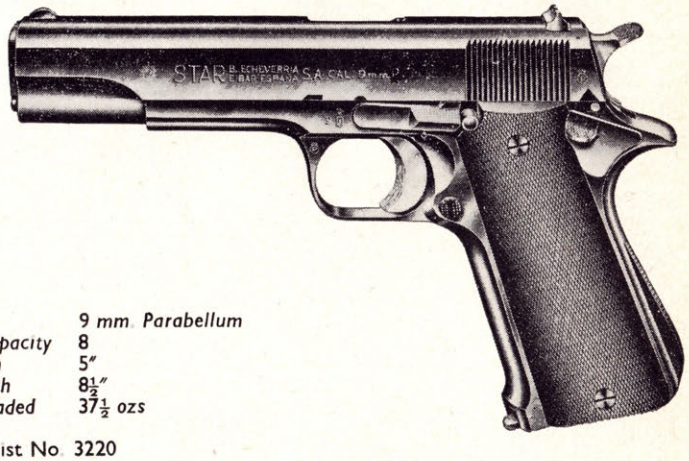
List No. 3228

STAR MODEL B 9 mm. PARABELLUM AUTO LOADING PISTOLS

This military calibre and style of auto loading pistol of Spanish make bears a strong resemblance to the .45″ Colt automatic both in appearance and many of its features.

As illustrated the Star model B has a positive lock thumb operated safety catch, is excellently produced in heat treated steel carefully polished and blued.

It is attractively carton packed with full instructions, spare magazine and cleaning rod.

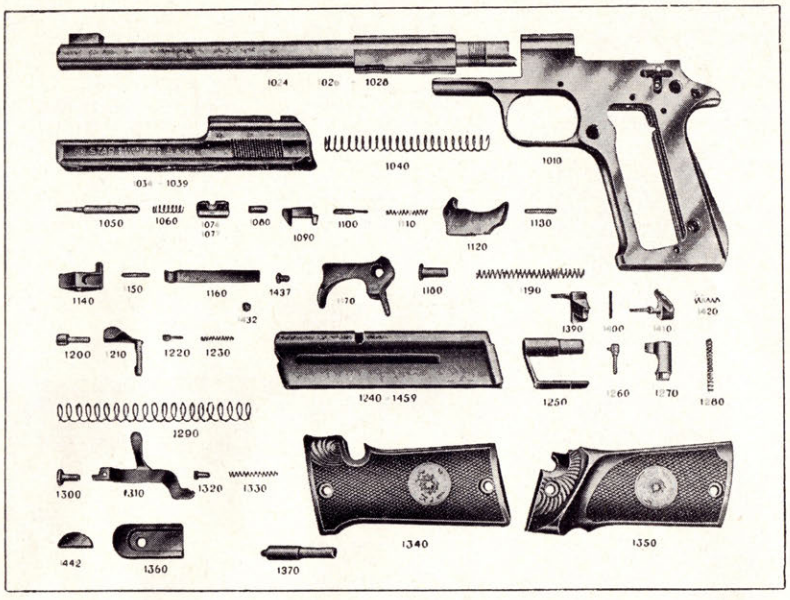


Calibre	9 mm. *Parabellum*
Magazine capacity	8
Barrel length	5″
Overall length	8½″
Weight unloaded	37½ ozs

List No. 3220

COMPONENTS PARTS LIST

FOR .22" calibre STAR PISTOLS MODEL F, FS and FT.



3225	(*1010*)	Frame
,,	(*1024*)	Barrel for Model F 4¼"
,,	(*1026*)	Barrel for Model FS 6"
,,	(*1028*)	Barrel for Model FT 7"
,,	(*1034*)	Slide for Model F
,,	(*1039*)	Slide for Model FS and FT
,,	(*1040*)	Recoil Spring
,,	(*1050*)	Firing Pin
,,	(*1060*)	Firing Pin Spring
,,	(*1074*)	Rear Sight for Model F
,,	(*1077*)	Rear Sight for Model FS and FT
,,	(*1080*)	Firing Pin Retaining Pin
,,	(*1090*)	Extractor
,,	(*1100*)	Extractor Pin
,,	(*1110*)	Extractor Spring
,,	(*1120*)	Trigger
,,	(*1130*)	Trigger Pin
,,	(*1140*)	Sear
,,	(*1150*)	Sear Pin
,,	(*1160*)	Sear Spring
,,	(*1170*)	Hammer with Strut & Pin
,,	(*1180*)	Hammer Pin
,,	(*1190*)	Hammer Spring
,,	(*1200*)	Hammer Spring Plunger
,,	(*1210*)	Safety, thumb
,,	(*1220*)	Safety Plunger
3225	(*1230*)	Safety Spring
,,	(*1240*)	Magazine Tube
,,	(*1250*)	Magazine Follower
,,	(*1260*)	Magazine Catch Lock
,,	(*1270*)	Magazine Catch
,,	(*1280*)	Magazine Catch Spring
,,	(*1290*)	Magazine Spring
,,	(*1300*)	Screw, Grip
,,	(*1310*)	Sear Bar
,,	(*1320*)	Trigger Plunger
,,	(*1330*)	Trigger Plunger Spring
,,	(*1340*)	Grip, right
,,	(*1350*)	Grip, left
,,	(*1360*)	Magazine Floor Plate
,,	(*1370*)	Magazine Floor Plate Release
,,	(*1390*)	Ejector
,,	(*1400*)	Ejector Pin
,,	(*1410*)	Slide Retainer
,,	(*1420*)	Slide Retainer Spring
,,	(*1432*)	Screw, front sight for Model FS and FT
,,	(*1437*)	Screw, rear sight for Model FS and FT
,,	(*1442*)	*Sight front for Model FS and FT
,,	(*1459*)	Magazine, complete

*The Front Sight of Model F is fixed and non-adjustable

SMITH & WESSON

We have selected a few famous American Smith & Wesson handguns for illustrating. These do not cover their complete range and we shall be pleased to deal with all enquiries and/or orders for any model not held in stock.

THE HIGHWAY PATROLMAN

Front sight 'Quick Draw' on plain ramp; rear, adjustable for windage and elevation. Checkered walnut stocks with choice of Target stocks extra. Finished in Satin Blue with Sandblast stripping on barrel top and frame edge

Calibre	.357 *Magnum* (*Bullet Dia.* .38 S. & W. *Special*)
Cylinder capacity	6
Barrel length	4″ or 6″ (*Illustration shows* 4″ *barrel*)
Overall length	11¼″
Weight	44 ozs.

List No. 3201

MODEL No. 14
K.38 MASTERPIECE

Short Action and matched for weight with the K-22 Masterpiece Revolver.

Rear sight click adjustable for windage and elevation.

Checkered walnut stocks. Grooved tangs and trigger. Blue finish.

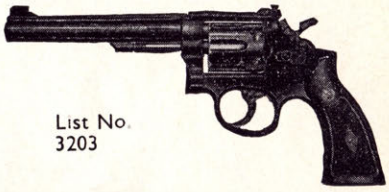
Calibre	.38 S. & W. *Special*
Cylinder capacity	6
Barrel length	6″ or 8⅜″
Overall length	*With* 6″ *barrel* 11⅛″
Weight loaded	38½ ozs.

List No. 3202

MODEL No. 17
K.22 MASTERPIECE

Rear sight click adjustable for windage and elevation.

Checkered walnut stocks. Grooved tangs and trigger. Blue finish.



Calibre	.22 *Long Rifle*
Cylinder capacity	6
Barrel length	6″
Overall length	11⅛″
Weight loaded	38½ ozs.

List No. 3203

MODEL No. 39
AUTOMATIC DOUBLE ACTION

Rear sight click adjustable for windage only.

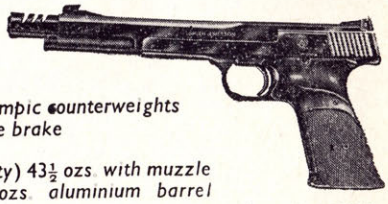
Checkered walnut stock. Blue finish.

Calibre	9 *mm. Luger and Parabellum*
Magazine capacity	8
Barrel length	4″
Overall length	7 7/16″
Weight	26½ ozs. *without magazine*

List No. 3204

MODEL No. 41
.22 AUTOMATIC

Trigger ⅜″ width, grooved and with adjustable stop. Undercut patridge foresight and click adjustable backsight. Slide canted to rear. Checkered walnut stocks with modified thumb rest equally adaptable to right or left-hand shooter. Finished in S. & W. bright blue with sandblasting, matting and serrations round sighting areas to break up light reflections.



Calibre	.22 *Long Rifle*
Magazine capacity	10
Barrel	7⅜″ and 5½″ *Grooved for Olympic counterweights*
Overall length	12″ *with muzzle brake*
Sight radius	9 5/16″
Weight	(*Magazine empty*) 43½ ozs. *with muzzle brake and* ⅜ ozs. *aluminium barrel weight*

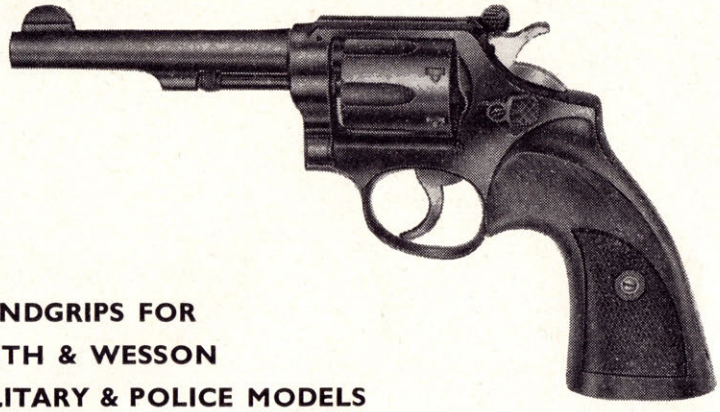
List No. 3205

MODEL No. 46
.22 AUTOMATIC

As model 41 but without muzzle brake.

List No. 3206

N.B.—Models 41 and 46 can be furnished in 5″ barrel length. The 5″ barrels provide the sighting radius of a 6″ target revolver but there are no provisions for muzzle brake, barrel weights or counterweights. These barrels are available separately as interchangeable spares.



HANDGRIPS FOR SMITH & WESSON MILITARY & POLICE MODELS

We are able to offer target grips, as illustrated above, in selected Walnut and suitable for the Smith & Wesson Military and Police frame. The grips are checkered and have a comfortable thumb rest. Supplied with the necessary screws for instant fixing.

List No. 8573

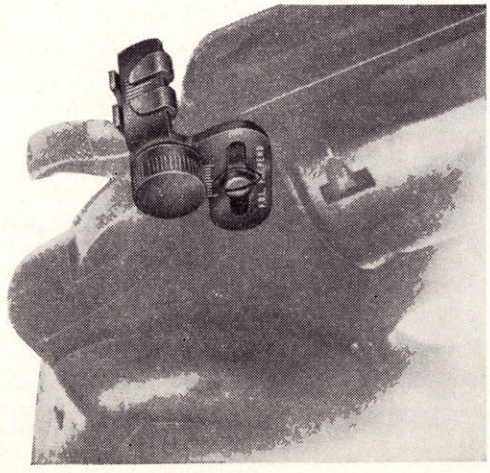
REARSIGHT FOR S. & W. MILITARY & POLICE MODELS

This rearsight is of American precision manufacture and has been heat-treated and blued. It has one minute clicks for windage settings and 12 minute divisions on long range scale. No gunsmithing is necessary in mounting the sight on S. & W. revolvers.

NOTE:

This sight can also be mounted on a Colt revolver whereupon a one hole drilling is necessary. Complete fixing instructions supplied with each sight.

List No. 8535



F. N. BROWNING
.22 LR AUTOMATIC PISTOLS "STANDARD", "TARGET" AND "MATCH" MODELS

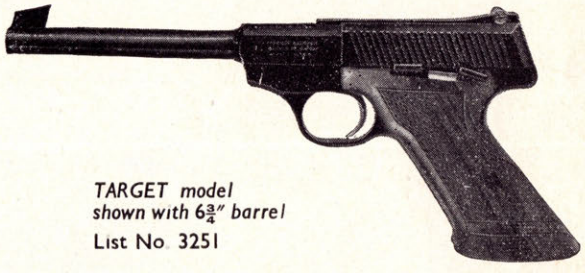
Manufacturer's remarks:

Specially made to satisfy the differing requirements in competition shooting the BROWNING AUTOMATIC PISTOL calibre .22" Long Rifle completes the range of Browning arms and has many notable qualities offering precision and simplicity of manufacture, good performance, safety, strength and durability.

Providing outstanding balance, comfort and accuracy the following advantages will be appreciated by marksman and amateur alike.

STANDARD model shown with 4½" barrel
List No. 3250

- Barrels – of a new patented type which ensure perfect fitting – are interchangeable on the 3 models.
- Non-reflecting front and rearsights. Rearsights on fixed bases, and adjustable for elevation and windage.
- Long line of sight.
- Large capacity magazine (10 cartridges).
- Comfortably shaped grips, interchangeable on 3 models – black plastic type for the Standard model, checkered walnut for the Target model, and finely checkered walnut with thumb rest for the Match model.
- Trigger with double adjustment on both Target and Match models.



TARGET model shown with 6¾" barrel
List No. 3251

MATCH model with 6¾" barrel
List No. 3252

F. N. BROWNING
.22 LR AUTOMATIC PISTOLS
"STANDARD", "TARGET" AND "MATCH" MODELS

SPECIFICATION	"Standard"	"Target"	"Match"
Calibre	.22" Long Rifle	.22" Long Rifle	.22" Long Rifle
Barrel Length			$6\frac{3}{4}$"
Short Barrel	$4\frac{1}{2}$"	$4\frac{1}{2}$"	
Long Barrel	$6\frac{3}{4}$"	$6\frac{3}{4}$"	
Overall Length			$12\frac{1}{4}$"
With Short Barrel	$9\frac{1}{8}$"	$9\frac{1}{4}$"	
With Long Barrel	$11\frac{3}{8}$"	$11\frac{1}{2}$"	
Magazine Capacity	10 Cartridges	10 Cartridges	10 Cartridges
Weight			$45\frac{3}{4}$ ozs.
With Short Barrel	26 oz.	$34\frac{1}{2}$ oz.	
With Long Barrel	28 oz.	$36\frac{1}{2}$ oz.	

The "Standard" Model is specially intended for learners as well as for practice whilst the "Target" model will be the choice of the advanced marksman.

The "Match" Model with right hand grip is supplied in a de luxe black covered carrying case, complete with a set of counterweights and a spare magazine. This model is also supplied with grip for left handed shooter, but this is not supplied in the de luxe case.

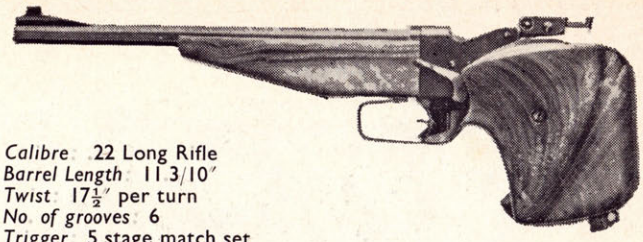
BROWNING HIGH POWER
9 mm.

The original design for this weapon belonged to the famous American inventor John Browning who crowned his long series of firearms inventions with this Handgun to meet the basic requirements laid down for military use. Frabique Nationale S.A. of Belgium continue to manufacture their well-known high quality weapons under Browning patents.

Calibre	*9 mm. Parabellum*
Magazine capacity	13
Barrel length	$4\frac{6}{8}$"
Overall length	$7\frac{3}{4}$"
Weight (unloaded)	$31\frac{1}{2}$ oz.

List No. 3254

HAMMERLI



MODEL 107 MATCH PISTOL

This magnificent pistol offers technical perfection, dependability, accuracy and elegance having been produced from the finest materials with painstaking care. The 107 is an "Olympic Free Pistol" with a 5 Lever set trigger that can be adjusted to discharge the trigger on the barrel being turned upwards to an angle of 45°. Each pistol has a Test group at 50 metres, usually showing a 10 shot group under .25".

Calibre .22 Long Rifle
Barrel Length 11 3/10"
Twist 17½" per turn
No. of grooves 6
Trigger 5 stage match set
Sights Micrometer rearsight with click adjustment for windage and elevation. Post front sight.
Grips Selected Walnut. Adjustable hand plate.
Weight 2lb. 14oz.

List No. 3270

MODEL 206 MATCH PISTOL

This pistol has advanced qualities in performance, positive functioning and the very highest accuracy. Newly designed grip plates are shaped to fit the contours of the hand enabling the shooter to come instantly "on aim". Fully complies with the rules of international pistol competitions.

Calibre .22 Short or .22 Long Rifle
Barrel 7 1/16"
Twist 17 7/10"
No. of grooves 6
Trigger from 12½oz. over 4lb.
Sights Micrometer with rectangular notch click adjustment in elevation and windage. Post front sight.
Weight Short – 2lb. 6oz.
Long – 2lb. 12oz.

List No. 3272

MODEL 207 .22 LONG RIFLE

This superbly styled pistol features a rigidly mounted micro rear sight, ensuring a constantly stable and unalterable line of sight – adjustable horizontally and laterally. New and highly precise trigger adjustable for weight of 12½ oz. up to 4½ lb. (approx.) Ideal for the Standard .22 Club and League matches.

Calibre .22 Long Rifle
Barrel Length 7 1/16"
Overall Length 12½"
Twist 17.7/10" per turn
No. of grooves 6
Rear Sight Micrometer with rectangular notch. Click adjustment in elevation and windage.
Grips Adjustable hand plates.
Weight 2 lb. 14 oz.

List No. 3271

MODEL 208 STANDARD

This very successful pistol has the precision and reliability that have made Hammerli famous. Offers well-balanced weight distribution, comfortably fitting grips and low weight. In .22 Long Rifle and featuring dimensions similar to those of centre-fire pistols and revolvers. 3lb. trigger pull. Adjustable grips.

Calibre .22 Long Rifle
Barrel 5¾"
Twist 18½"
No. of grooves 6
Sights 11"
Grips Selected Walnut
Weight 2lb.
List No. 3273

Calibre .22″ (*Blank*)
Capacity *Eight*
Length 4½″
Weight 9 ozs.

PERFECTA

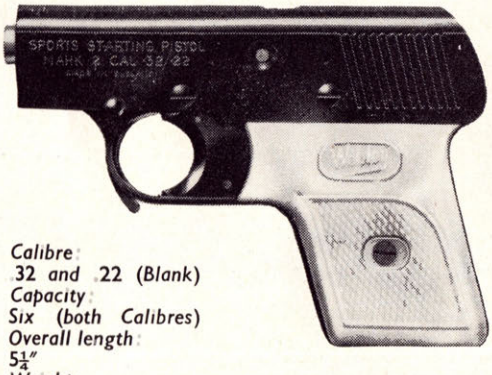
We are distributors in this country for these fine German made blank pistols. Modelled on an original design by Browning they feature an 8-round magazine located in the grip, top ejection, special safety catch.

List No. 3292 (*SSP3*)

WEBLEY Mk. II

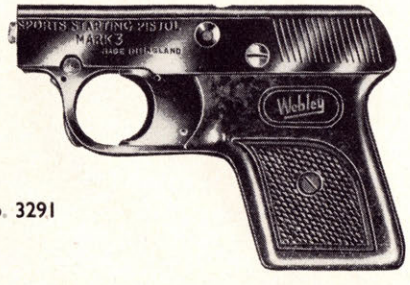
A sturdy new SIX Shot starting Pistol designed for race starting where the flash is as important as the report. It offers a comfortable grip, smooth trigger pull and has an expended round indicator incorporated in the breach. **One magazine takes .32 blanks whilst a second magazine takes Webley .22 crimped blanks.**

A spring loaded ball bearing prevents magazine slipping from its housing.



Calibre
.32 *and* .22 (*Blank*)
Capacity
Six (*both Calibres*)
Overall length
5¼″
Weight
17½ *ozs.*

List No. 3290

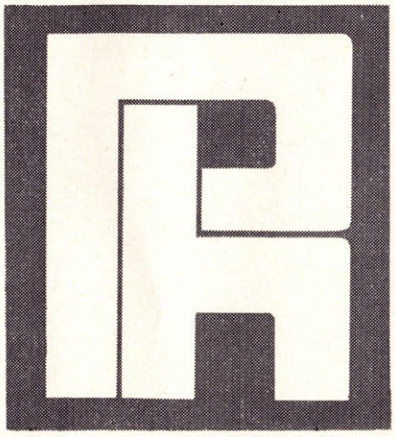


List No. 3291

WEBLEY Mk. III

Similar in design to the Mark II this model is a robust and reliable British made SEVEN shot starting Pistol with top vent hole and rack magazine that cannot slip out of its housing and with expended blank ejector lever. Boxed complete with simple instructions.

Calibre .22″ (*Blank*)
Capacity *Seven*
Overall length 4½″
Weight 10½ *ozs.*



AIR RIFLES AND PISTOLS

AIR RIFLES AND AIR PISTOLS

The modern air rifle as depicted in this section of our catalogue is no longer to be regarded as a toy, but as a weapon of precision and accuracy.

Such a weapon meets the requirements of the enthusiast, the young man who wants to learn to shoot, and the expert who wishes to keep hand and eye in practice with a minimum of expense.

The eminent American authority on firearms Julian S. Hatcher makes some interesting comments on the accuracy and performance of the modern air pistol in his "Textbook of Pistols and Revolvers" and there is an excellent chapter on the subject in "A.G.'s Book of the Rifle."

Most of the weapons shown in the following pages are modelled on the lines of powder cartridge rifles and pistols; they are beautifully finished and balanced and do indeed give one the impression of handling the real things, for with their precision machined and rifled barrels they are remarkably accurate and hard hitting and the ammunition is very inexpensive when compared with cartridges. Models shown are suitable for both target shooting and sporting purposes, together with a full range of accessories.

Air rifles (and pistols) dealt with in this section are produced in two calibres, .177" calibre (No. 1 Bore) and .22" calibre (No. 2 Bore).

Each calibre has its special advantages. Briefly the .177" calibre is invariably used by clubs and in air rifle matches conducted under National Air Rifle Association rules. The .22" calibre rifle is more suitable for shooting small game and vermin; the pellet weighs approximately 15 grains (some 7 grains more than the .177" pellet) and the greater shock delivered by the larger pellet is more likely to be effective where shock is of prime importance. It also has better carrying power.

The muzzle velocity of the two calibres varies somewhat according to the make; in the case of the .177" calibre the figure is round about 550 ft. secs. and in the case of the .22" calibre around 435 ft. secs.; the figures for air pistols are somewhat lower being 416 ft. secs. (.177" calibre) and 330 ft. secs. (.22" calibre) respectively.

N.B.—In the United Kingdom no permit or Firearms Certificate is necessary to purchase and a Gun Licence is not necessary:

(*a*) For use within the curtilage of a dwelling house.

(*b*) For use by the occupier of any lands for the purpose of scaring birds or killing vermin. Under other conditions a 10/– Annual Gun Licence is required to use or carry the gun.

It is illegal in the United Kingdom to sell either Air Rifles or Air Pistols to persons under 17 years of age.

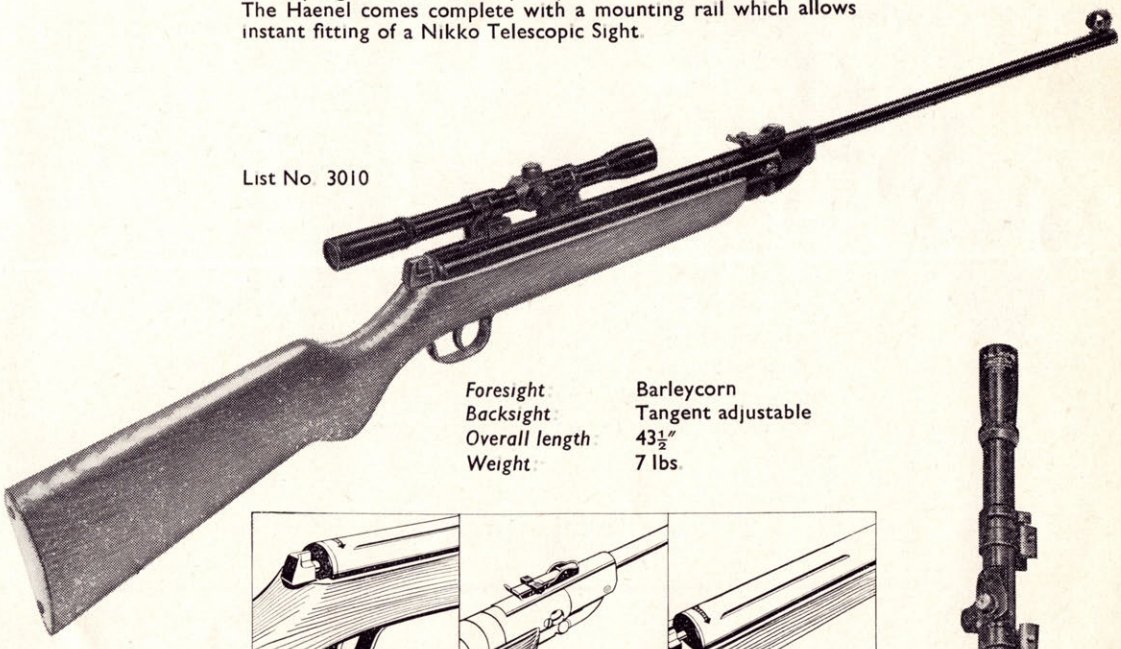
HAENEL

The name of Haenel was well established before the last war as a name associated with the quality manufacture of air rifles. The entirely new model described below incorporates advanced features never before available in a popularly-priced air rifle.

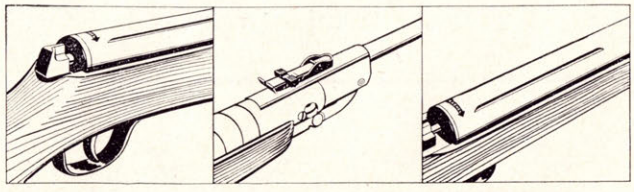
THE HAENEL AIR RIFLE
.22 or .177 Calibre

The Haenel Air Rifle is of precision German manufacture and provides top accuracy and power at a remarkably low retail price. For the maximum of safety the Haenel is provided with an auto safe which operates automatically when the rifle is cocked. An adjustable trigger allows regulation of trigger pull whilst sighting is provided by a well made, adjustable tangent rearsight and barleycorn foresight which is covered by a foresight protector to keep sight clean. Good quality blued steel, beechwood stock. The Haenel comes complete with a mounting rail which allows instant fitting of a Nikko Telescopic Sight.

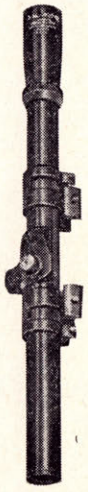
List No. 3010



Foresight	Barleycorn
Backsight	Tangent adjustable
Overall length	43½″
Weight	7 lbs.



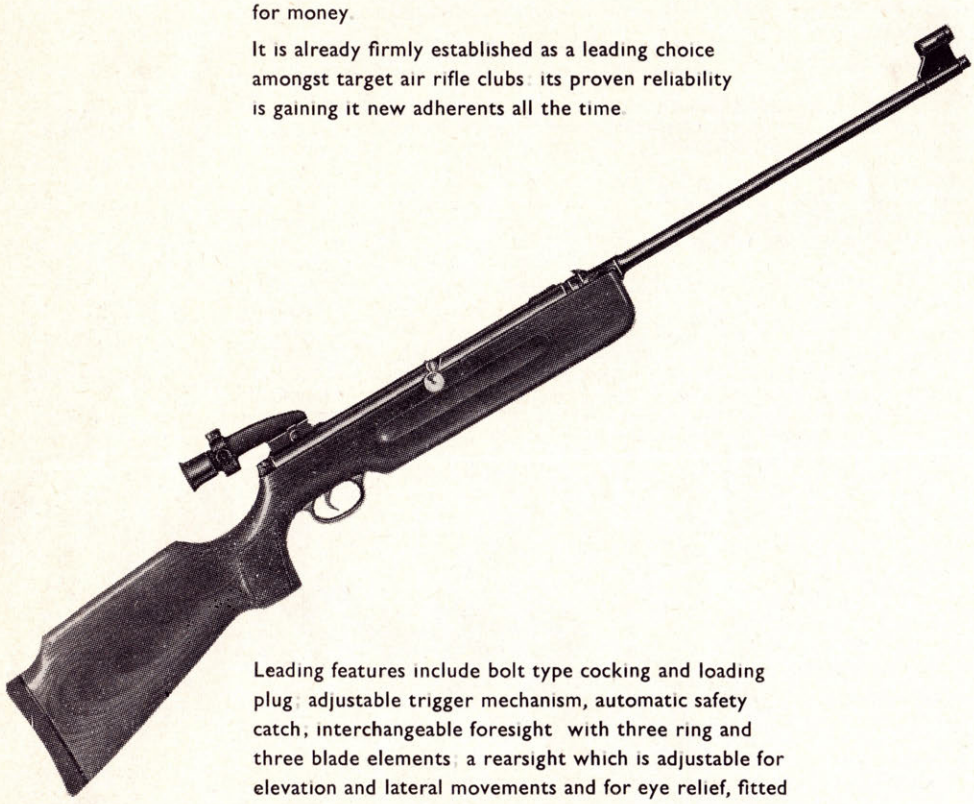
AUTO SAFE OPERATES AS RIFLE IS COCKED — *ADJUSTABLE TANGENT REARSIGHT* — *INSTANT MOUNTING FOR NIKKO 'SCOPE*



The Nikko NS 15 is unquestionably the best 4×15 Air Rifle 'Scope available in Britain today and an ideal choice for use with the Haenel. It is also one of the most inexpensive 'scopes on the market. Full details are on Page 96.

This powerful new Haenel Match Rifle in .177" conforms with international competition requirements and offers an outstanding number of superior features at a price which makes it outstanding value for money.

It is already firmly established as a leading choice amongst target air rifle clubs. Its proven reliability is gaining it new adherents all the time.



Leading features include bolt type cocking and loading plug; adjustable trigger mechanism, automatic safety catch; interchangeable foresight with three ring and three blade elements; a rearsight which is adjustable for elevation and lateral movements and for eye relief, fitted with six hole eyepiece and rubber eye cup. Checkered pistol grip stock, fitted with rubber recoil pad. Each rifle is supplied with a spare piston spring and piston washers.

List No. 3011

BASIC SPECIFICATION

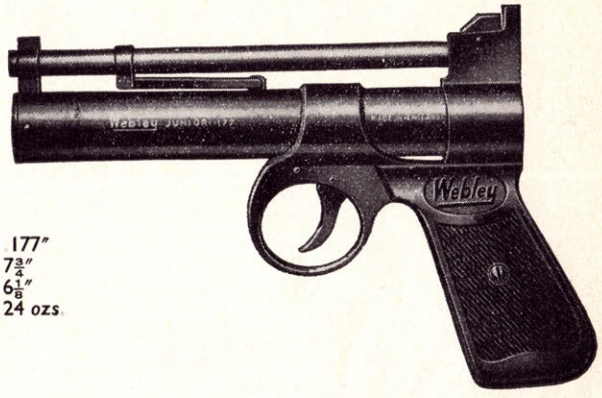
Calibre	.177
Barrel length	$16\frac{1}{2}$"
Overall length	$43\frac{3}{4}$"
Weight	$7\frac{1}{2}$ *lbs.* (*approx.*)

WEBLEY AIR PISTOLS

The range illustrated has been evolved by Webley & Scott Ltd., over many years, during which time they have exploited their original patented designs to improve the needs of young beginners, more advanced tyros and experienced pistol marksmen.

The three models shewn thus embody a ripe experience of the requirements of all pistol marksmen and combine with fine craftsmanship, the accuracy and dependability that is generally associated with the name of the manufacturers.

JUNIOR MODEL



Plastic grips. Smooth bore-barrel. Suitable for use with darts or pellets.

List No. 3061

Calibre	.177"
Overall length	$7\frac{3}{4}$"
Barrel length	$6\frac{1}{8}$"
Weight	24 ozs.

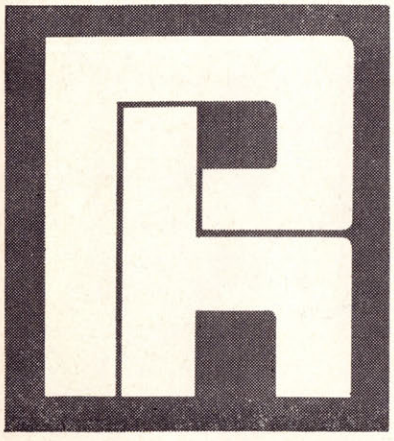
PREMIER MODEL

Fully adjustable sights. Rifled barrel. Plastic grips. Piston with PTFE washer for improved performance. Trigger adjusting screw to regulate pull-off. Adjustable backsight.

List No. 3062

Calibre	.177" or .22"
Barrel length	$6\frac{1}{2}$"
Overall length	$8\frac{1}{2}$"
Weight	33 ozs.

It is illegal in the United Kingdom to sell either Air Rifles or Air Pistols to persons under 17 years of age.

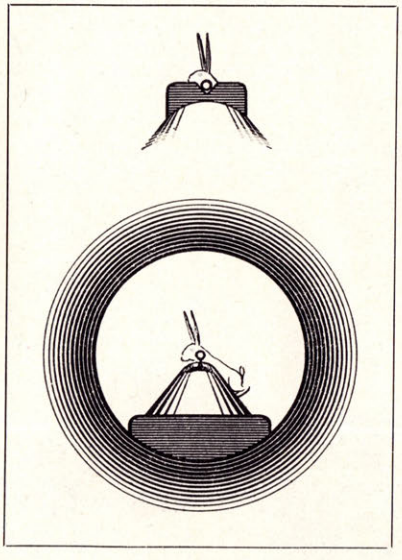


SIGHTS AND SIGHTING

RIFLE SIGHTS

No rifled weapon designed to fire single bullets, as opposed to smooth bore shotguns, is complete without adequate sighting equipment. These sights fall into several categories, viz —**metallic** ('iron') or **optical** (embodying the employment of lenses): the former are sub-divisible as open or aperture sights, and again as sporting or target types. The latter fall into main classes viz. the nowadays rare low magnification lens foresight used with a clearing lens screwed into the aperture rearsight, and the telescope sight, which again may be sub-divided into sporting and target types.

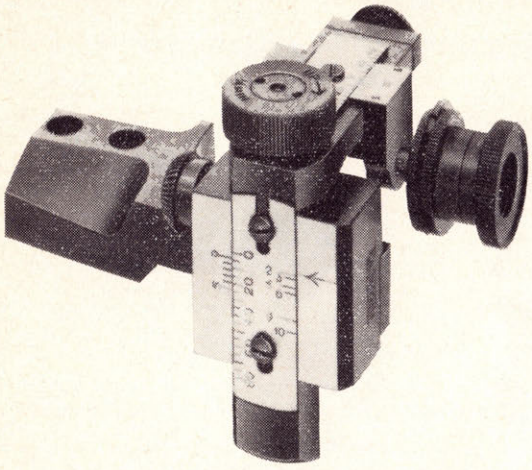
Open sights lend themselves to very cheap production, and because rifle makers generally avoid concerning themselves with the individual tastes of customers as far as sights go, most rifles are offered with the least expensive sights that suffice to render the weapon complete and usable.



It would be very convenient if open sights gave the kind of clear picture to the shooter that sketch No. 1 depicts, where the object, foresight and backsight are shewn all in clear focus, but unless one's eye muscles are unusually active the accommodation of the average man's sight is such that two of the three important items depicted will appear indistinct in practice. By employing an aperture fairly near to the eye and of a suitable size, as a substitute for the open backsight one can eliminate some of the eyestrain, for there remains only the object and foresight to focus, since the aperture can be ignored and the field of view is less obstructed as sketch No. 2 shows. Simple optical arrangements employing a magnifying front lens are of doubtful value since the magnified field of view is extremely restricted and sharp focusing demands the selection of an aperture size and a clearing lens specification to suit the individual.

The complete answer is only to be found through the employment of a telescope sight, in which the advantages of appreciable magnification greatly enhance clarity of vision, needle sharp focussing of the sighting element in the same plane as the object – adequate field of view and minimum obstruction are all to be found. Nevertheless 'scope sights have continued to gain popularity through the years because they really fill a genuine need, since they eliminate inaccuracy and rejuvenate the elderly shooters' prospects where interest naturally wanes with failing eyesight: we have helped to maintain and encourage this trend through our manufacture of mounts that provide the essential link between rifles and telescope sights, particulars of which may be found in the next section of the catalogue.

In the following pages will be found a fairly comprehensive line of aperture sights for both target and sporting rifles. So far as is practicable the features that have made our name well known in the fraternity of target shooters have been simplified and embodied in our sporting rifle aperture sights, viz: rigidity, accuracy and serviceability.



Model 5E
List No
4640A (5E/TX/A) *With Tubular 6 hole eyepiece*
4640B (5E/TX/B) *With Premier 6 hole eyepiece*

MODEL 5E
APERTURE BACKSIGHT

For Mauser actioned
7.62 Target Rifles

This notable addition to the World famous range of Parker-Hale rifle sights has been initially designed to meet the requirements of the new Parker-Hale 1200 TX 7.62 NATO calibre target rifle.

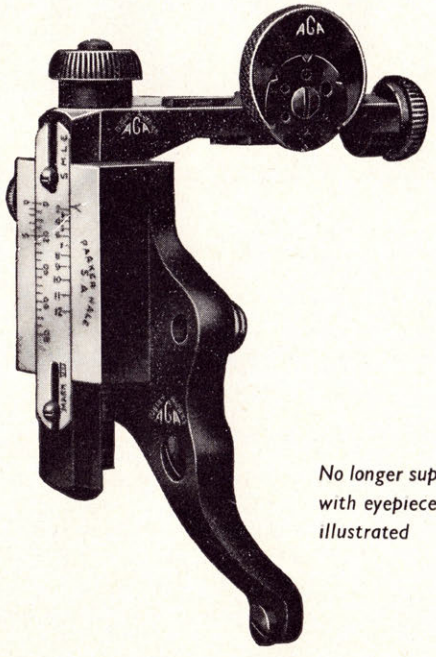
The 5E sight is precision made for maximum rigidity and serviceability and provides adequate windage adjustment either side of zero, ample elevation movement and a quick release device together with a definite, fully audible $\frac{1}{4}$ clicking movement and clearly cut scales.

Subject to demand, a modified version suitable for No. 4 actions will be available later.

MODEL 5A
APERTURE BACKSIGHT

For Rifle (No. 1) S.M.L.E. officially approved by the National Rifle Association

Well known to most shooting men this sight conforms with the N.R.A. rules which do not permit alteration to the rifle. A spring and 2 fixing screws are supplied with each sight, the former substituting for the spring, bolt locking, which allows the safety catch to be operated when this sight is fitted. The elevation scale plate is designed to permit adequate adjustment for zeroing with any height of foresight that may be employed. Similarly the wind gauge scale plate is adjustable for zeroing. Both these scales can be read quickly and easily when the shooter is in the prone position.

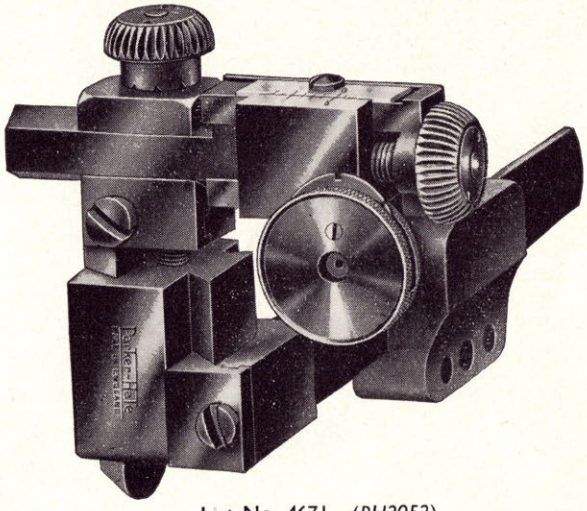


No longer supplied with eyepiece illustrated

Model 5A
List No
4652B (99Y) *Tubular 6 hole eyepiece*
4652C (99Z) *Premier 6 hole eyepiece*

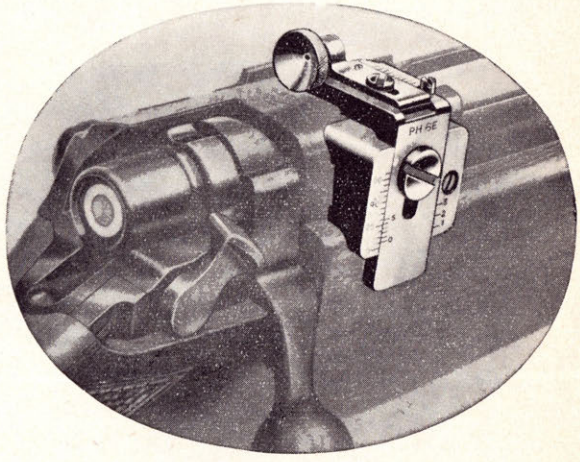
MODEL 2052 APERTURE BACKSIGHT

With adjustable extension bar for Winchester, Remington and similar bolt action Target Rifles.



List No. 4671 (*PH2052*)
Complete with midget 6-hole eyepiece.
No longer supplied with eyepiece illustrated

The sight illustrated forms the basis for a high class target rifle aperture backsight adaptable to many rifles, including that for which it is primarily designed, viz:—the Winchester model 52. The chief feature of this sight, apart from the principle of the bar, which enables it to be positioned precisely to suit the individual shooter, is the provision of clamps acting on dovetail sections whereby (1) the extension bar may be locked at any position (2) the base of the sight may be raised or lowered in relation to the extension bar (3) the windage arm complete with its individual fine adjustment may be brought to a central position over the axis of the barrel whatever the width of action of the rifle to which it is fitted. Normally the block in which the extension arm is clamped is available with a contour either to suit the Winchester model 52 target rifle or with a flat back suitable for attachment to any flat side action.

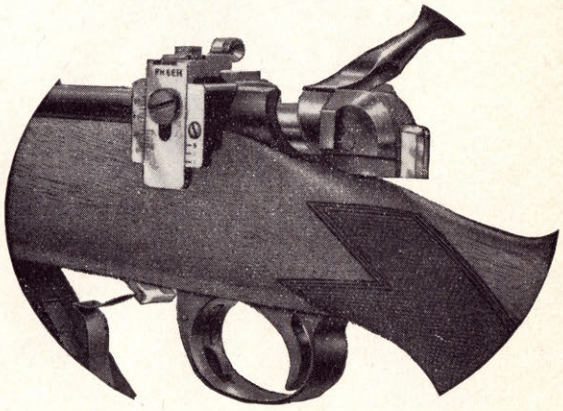


SPORTING APERTURE BACKSIGHTS

With screw-clamped sliding movements designed for maximum rigidity and serviceability under average sporting conditions, at reduced costs of production these models give maximum efficiency in the field.

4654 (*PH6E*) illustrated attached to an Enfield rifle receiver converted to sports pattern. Normally a smaller diameter disc than the one shown is fitted to the threaded eyepiece holder, having .08″ or .1″ diameter aperture which neither cuts down the apparent light on the target nor restricts to any appreciable degree the field of view. Any sporting rifle thus equipped is as suitable as any open sighted weapon for highly effective snap shooting.

4654A (*PH6EH*) Made in reverse for application to the left side of the B.S.A. Mauser type sporting rifle receiver which is provided with fixing screw holes already drilled and tapped.
Both models permit adequate windage and elevation movement through the medium of coin slotted clamping screws acting on plain slides. A refinement is that an elevation stop screw is fitted to enable the moveable part of the sight to be detached from its base and replaced without upsetting the sight adjustment. A $\frac{5}{16}$″ outside diameter single hole eyepiece (as shown on model 4654A (*PH6EH*)) and fixing screws are provided with each sight.



List No. 4654 (*PH6E*) *to fit P'14 and P'17 converted rifles.*
4654A (*PH6EH*) *to fit B.S.A. Mauser type sporting rifles.*

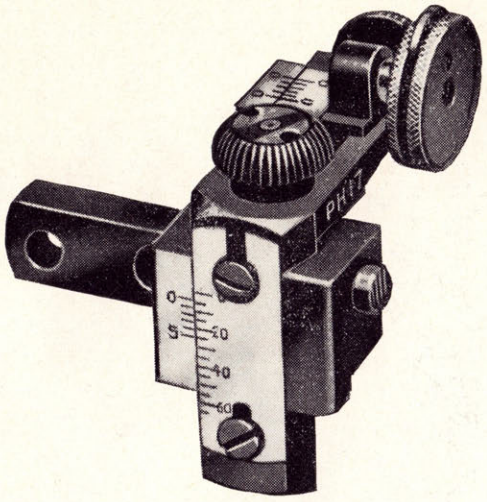
MODEL 17 APERTURE BACKSIGHT

The sight embodies many features that have been developed by us to meet the stringent requirements of the range enthusiast.

The graduations are in minutes of angle by $\frac{1}{4}$ minute clicking adjustments.

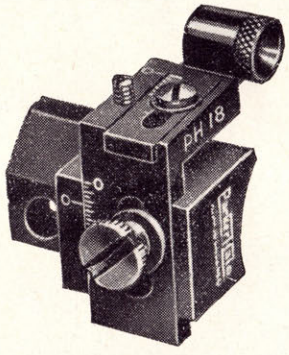
The quick release plunger enables the slide complete to be quickly removed and replaced, while the threaded eyepiece holder enables a choice of suitable single or six hole eyepiece to be used.

List No. 4668A (*PH 17B*), for Webley and Scott Mark III air rifle.



No longer supplied with eyepiece illustrated

'NETA' APERTURE BACKSIGHT



Designed primarily as an improvement on standard factory open sights.

This simplified and inexpensive adjustable aperture backsight of blacked duralumin is machined from the solid bar metal and is thus a worthy addition to the world-famous line of Parker-Hale rifle sights.

Various base shapes, specially contoured, enable this model to be readily fitted to .22" calibre sporting rifles of different makes.

Its adjustment for windage and elevation may be accurately set for any pre-determined distance, despite the lack of fine adjustments, which are rarely necessary in the sporting field.

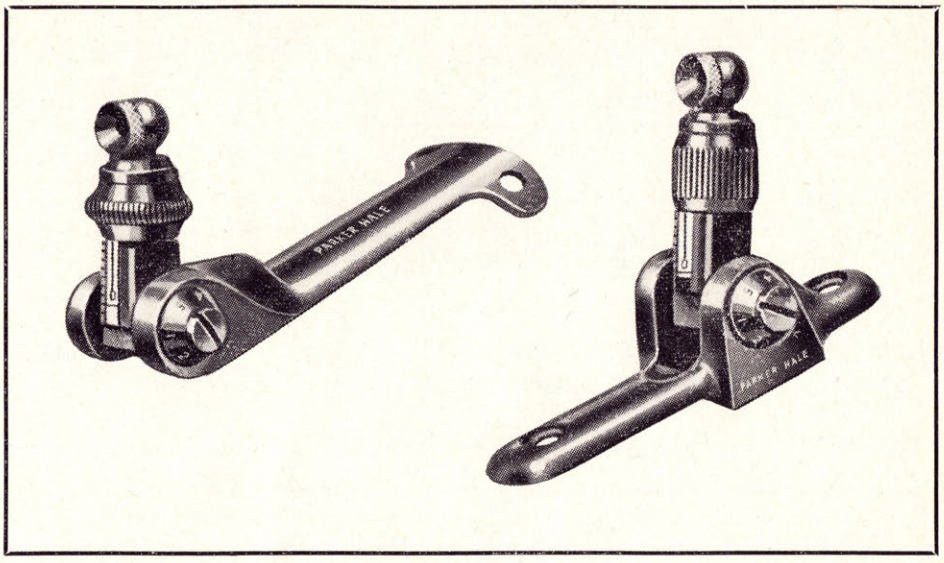
The stop screw in the wind arm permits its complete removal and replacement without affecting the zero.

Normally furnished with a small diameter eyepiece having a large aperture, the eyepiece holder carries a standard size of thread permitting the use of alternative eyepieces, if required.

List No.

4670A (*PH 18A*)	For B.S.A. Supersport rifle.
4670B (*PH 18B*)	For B.S.A. Sportsman rifle.
4670C (*PH 18C*)	For Sportomatic and Sportco rifles.
4670D (*PH 18D*)	For No. 1 Lee Enfield converted sporting rifles.
4670E (*PH 18E*)	For No. 4 Lee Enfield converted sporting rifles.

"SPORTARGET" SIGHTS



The illustrations show the original Sportarget tang fitting aperture backsight.

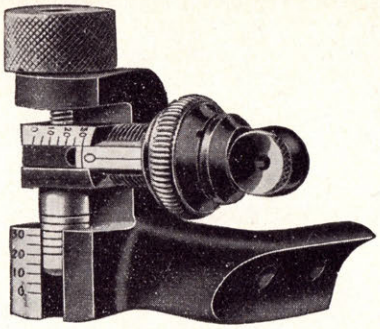
Its features include an ability to fold when out of use, a threaded holder for standard eyepieces to suit individual preferences, and a half minute clicking elevation and windage movement; the latter adjustment is protected against accidental movement, but is easily operated with a thin coin or screwdriver. This type of sight is available with bases adapted for fitting to the undermentioned list of rifles.

It is essential to order in accordance with the list numbers.

Sportarget

List No.		*Make and type of rifle*
4680B	(10B.)	*B.S.A. Martini.*
4680C	(10B.S.)	*B.S.A. slide action repeater.*
4680D	(10B.T.)	*Beretta Automatic.*
4680E	(10M.B.)	*B.S.A. model 1 bolt action.*
4680F	(10W.R.)	*Winchester Models '90, '06 and 62.*
4680G	(10R.C.)	*Remington model 14 and 25.*
4680H	(10R.R.)	*Remington Fieldmaster.*
4680J	(10B.R.)	*Browning Repeater and Automatic.*
4680M	(10W.A.)	*Winchester Model '03 and 63.*
4680N	(10W.H.)	*Winchester Model 61.*
4680Q	(10H.W.)	*Walther Heavy Model.*
4680R	(10M)	*.22" calibre Mauser.*
4680S	(10L.W.)	*Walther light model.*
4680T	(10R.A.)	*Remington Model 241 Automatic.*

SUBJECT TO AVAILABILITY



PH.16

SPORTARGET RECEIVER SIGHTS

The development from the tang-fitting sight is recognisable in the Sportarget Receiver sight, an example of which is illustrated, it will be noted that the upright pillar in this design is used to give lateral movement and its folding feature in combination with the off-set main frame of the sight avoids interference to the fitting of a telescope sight.

As in the former design, the eyepiece holder is threaded to receive our standard eyepieces, and the pillar and base markings cover total movements of thirty minutes of angle. For sporting purposes a small eyepiece, having an aperture not less than .08″ diameter is preferable, but the final size of aperture depends on the individual's eyesight and the normal distance of the shooter's eye from the aperture; the greater this distance, the larger the peep hole, thus 0.1″ is a reasonable average size.

It is essential to order in accordance with the list numbers.

List No.		*Make and type of rifle*
4660	(PH.16)	*For B.S.A. Sportsman and similar types of bolt action rifles.*
4660B	(PH.16D)	*For Mossberg model 42M.B.*
4660E	(PH.16K)	*For rifles with flat sided receivers approximately 1″ wide.*

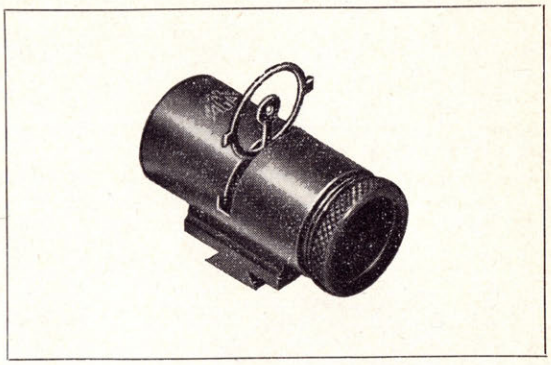
SUBJECT TO AVAILABILITY

Each sight is packed complete with a set of fixing screws as required.

MODEL 2 FORESIGHT WITH INTERCHANGEABLE ELEMENTS

Demand for this well-tried foresight has now swung towards the full-bore target rifle following upon N.R.A. target changes and the conversion of No. 4 rifles to the N.A.T.O. calibre.

For economy of manufacture, we now only offer this sight in the FS 22A version, which identifies its dovetail at a basal dimension of .388".



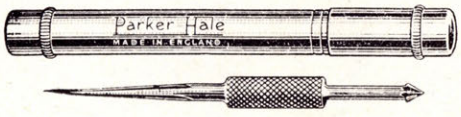
List No.	
FS22A	*Foresight as illustrated supplied with disc box and an assortment of 5 ring elements.*
4610F (*F.S.19*)	*For certain Continental Mauser type training rifles adapted to Rifle Club use, having longitudinal dovetail slot in ramp.*

We take pride in having originated this type of foresight that makes a change-over of sighting elements a speedy operation without fear of any change of zero.

The sighting elements are packed in a screw lid container suitable for fitting to any convenient position on the rifle giving ready accessability for making easy changes.

For those who prefer sizes of apertures outside the standard range, we provide "Peep" Reamers and below we describe the standard elements we can supply.

PARKER-HALE "PEEP" REAMERS



For trimming and enlarging the holes in eyepieces we provide this well made Swiss type of taper reamer with countersink that is restricted in diameter specially to pass up eyepiece shanks from the threaded end.
List No. 4427 (95).

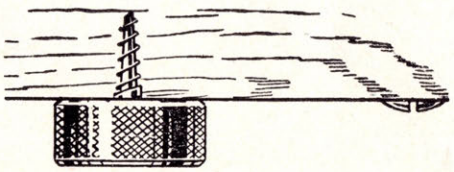
For the purpose of enlarging aperture holes in foresight element of either pen steel or celluloid we offer this reamer having larger maximum diameters both as regards the tapered end and the countersink. This reamer is therefore suitable even for target work under I.S.U. rules.
List No. 4427A (95A).

ELEMENTS FOR MODEL 2 FORESIGHTS

.19" dia.	**Small Ring** with aperture .04" dia.
.25" dia.	**Medium Ring** with apertures .05", .08", .1", .120" dia.
.3" dia.	**Large Ring** with apertures .06", .1", 3 mm. dia.
.34" dia.	**Metric Ring** with apertures 3, 3½ and 4 mm. dia.
.06" wide	**Narrow Blade** and .1" wide **Wide Blade**
Full dia.	**Level**

List No. 4423

FORESIGHT ELEMENT BOX



One of the obvious troubles with interchangeable foresights is the difficulty of keeping the spare discs in an accessible place. As will be seen by the illustration, we have solved this by means of a stout metal base to be fastened on to the fore-end, on to which the foresight element box is screwed.

The best place on the rifle for this neat accessory is on the rear end of the fore-end, just ahead of the rear sling eye.

As this container is suitable for sight elements belonging to other types of foresights we will supply it separately with screws for fixing.

List No. 4426 (*DB.1.*)

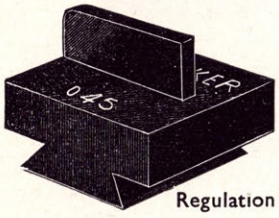
MILITARY BLADE FORESIGHTS

Government regulations specify permissible variations in the height of the standard blade foresights made for L.E. Service rifles, but the maximum width of blade officially adopted is .051".

The detail dimensions of foresights intended for the Rifle No. 1 (S.M.L.E) do not precisely match the specification of the foresight for the Rifle No. 4, though for target shooting purposes under N.R.A. rules, interchangeability is often practised.

Foresights designed for the Rifle No. 3 (Pattern '14) may similarly be interchanged, but in this case the official foresight heights stamped atop the base of the foresight vary from the two L.E. rifles in accordance with the table of equivalent heights listed hereunder.

For the benefit of the uninitiated, regulation foresights for military rifles are stamped with figures denoting the height of the top of the blade over the centre of the barrel bore plus or minus the mean dimensions marked under or over the nominal height of 1".



The Regulation Foresight illustrated has a parallel side blade and gives a height over bore of 1.045".

According to Government specification sights of that type are stocked for both Rifle No. 1 (S.M.L.E.) and for the Rifle No. 4, in the following heights —

List No. 4620

Regulation Parallel Blade

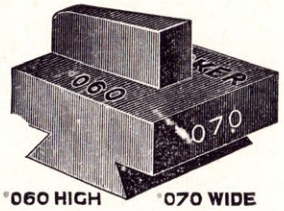
—06, —045, —03, —015, 0, +015, +03, +045, +06

When ordering please state the designation of the rifle and the height of regulation foresight required.

STREAMLINE FORESIGHTS

Under N.R.A. rules marksmen are permitted variations from regulation standards. Thus we provide in our competition foresights a backed-off blade in widths greater than the regulation .05" thickness that experience shews are popular choice.

Elderly marksmen often find less strain on their eyesight through the use of blades even double the military width with which they can employ the whole target as an aiming mark, consequently we manufacture foresights similar to the illustration clearly marked with the height and blade width (the width on the vertical flat of the base).



.060 HIGH .070 WIDE

These foresights are interchangeable between Rifles Nos. 1 and 4. They may also be used with the Rifle No. 3 (P '14) but the figures of height will not then conform with the original military P '14 foresight; therefore, a table of equivalent heights is given hereunder.

For the No. 4 rifle, for which there is a major demand for target foresights, we make them in heights ranging upwards from — .015", 0, + .015", + .03" and in blade widths .06", .065", .07", .08", .09" and .1".

UNTIL our stocks run out, we can supply all the combinations of sizes given above with the addition of the following which we indicate by shewing the figure of height and the figure of width of blade in that order —

List No. 4621

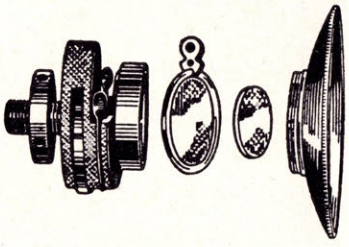
Height	Width
— .045"	.060", .065", .070".
— .03"	.060", .065", .070".
0	.051"
+ .015"	.051"
+ .03"	.051", .110", .120".
+ .045"	.051", .55", .60", .65", .70", .90".
+ .060"	.051", .55", .60", .65", .70", .80", .90", 1", .120"
+ .075"	.051", .55", .60", .65", .70", .80", .90", .110", .120"
+ .090"	.051", .60", .65", .70", .80".

TABLE OF EQUIVALENT HEIGHTS

Rifles Nos. 1 & 4	—.06"	—.045"	—.03"	—.015"	0"	+.015"	+.03"	+.045"
Rifle No. 3 (P '14)	0"	+.015"	+.03"	+.045"	+.06"	+.075"	+.09"	+.105"

SUBJECT TO AVAILABILITY

" PREMIER " EYEPIECE



Originally produced to meet the demand of Smallbore target riflemen for an omnibus six hole eyepiece with provision for a sighted lens and a light filter, its success in this field soon prompted a slight reduction in general dimensions to bring it into use amongst Service Rifle marksmen.

The Smallbore version is provided with a large diameter cup as illustrated and the substitution of this component by a smaller diameter cup was approved for general use by the National Rifle Association. Most of its features are obvious from the illustration, for those who do not require a personal sighted lens, we can furnish plano filters as detailed to fit the lens frame which is made to locate in the body of the eyepiece and is readily removable for instant cleaning.

The framed glass thus forms a baffle that protects the small diameter filter which is not so readily removable for cleaning. Made throughout from solid steel bar chemically blacked, this eyepiece will give years of satisfactory service.

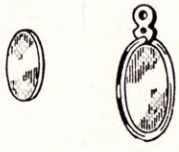
Neatly packed in a cardboard box.

List No. 4421A (*P.H.64L*) " Premier " six-hole eyepiece, less frame or filter (*illustrated*).

List No. 4421B (*P.H.64S*) " Premier " six-hole eyepiece, less frame or filter, with small eyecup for British Service rifles.

List No. 4422A (*P.H.L.5*) Lens Frame ($\frac{5}{8}$" diameter) to suit 4421A (*P.H.64L*) and 4421B (*P.H.64S*)

TINTED GLASS LIGHT FILTERS



These Filters are produced to a rigid specification and are not to be confused with cheaper substitutes; they are not only optically flat, but also parallel sided to reduce to zero the possibility of optical aberrations regardless of the position of the filter in its holder. Consequently there is no fear of a change in the point of impact due to removal, cleaning and replacement of Parker-Hale filters; their thickness, colours and quality are carefully controlled and they are produced in three diameters to suit Parker-Hale Eyepieces.

The marksman has a choice of the following colours—Amber, smoke, yellow, blue and three shades of green, light, medium and dark.

Optical experts aver that the amber or yellow colour is most suitable for use under cloudy or misty conditions, as these colours increase the contrast between the target background and the bulls eye. Conversely the smoke or green colours minimise glare when the light is too intense; the blue colour is offered to meet a regular demand that ignores the experts' doubts as to the benefit to be derived from this colour of light filter.

List No. 4422D (*F.55*) To fit Lens Frame 4422A (*P.H.L.5*).

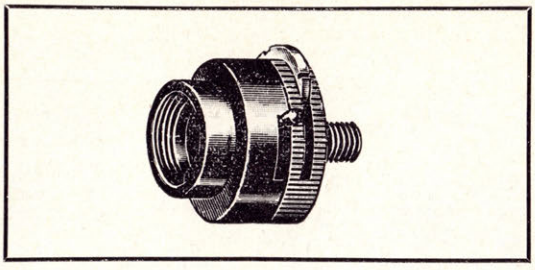
List No. (*F.41*) To fit recess provided in Eyepieces List Nos. 4421D (*P.H.60*), 4421C (*P.H.62*), and (*P.H.64*).

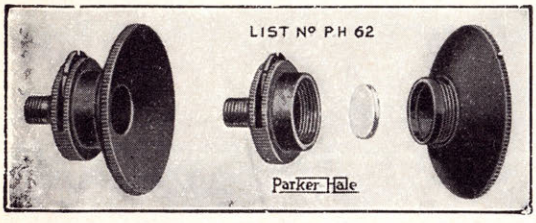
N.B.—Always specify the List Number and colour required; in the case of the green filters mention also the shade desired.

THE "IRIS" DE LUXE EYEPIECE

A British made eyepiece with a finely adjustable diaphragm type aperture, variable by means of a small side knob up to 0.14". Body of stove enamelled brass with steel backplate. Aperture always remains central. Fitted with a multi-filter disc working on principle of six-hole aperture.

List No. 8532





List No. 4421C (*P.H.62*)

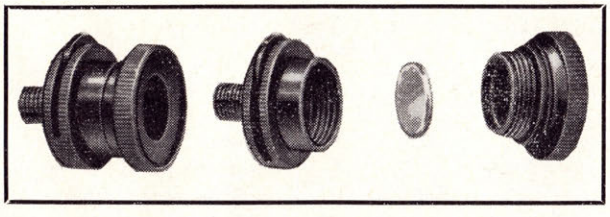
"BIG DISC" SIX-HOLE EYEPIECE

For the small-bore enthusiast who is not affected by N.R.A. rules relating to Service rifle attachments, this eyepiece modelled on the P.H. Six Hole Tubular Eyepiece is the same in all material respects save for the larger diameter of the filter holding cup. It is virtually standardised in the Home market since it meets the need of the majority having a neat appearance, light weight and choice of six apertures to suit all conditions of light usually encountered on the ranges. Its sole disadvantage to the few, lies in its unsuitability for other than clearing lenses or light filters.

SIX-HOLE TUBULAR EYEPIECE

The design of this type of eyepiece combines the positive advantages of six separate apertures to suit varying light conditions with the surrounding black disc which is produced by the addition of the deep flanged bell feature that, since its introduction, has virtually made the plain disc obsolete for target shooting.

A recess is provided in the removable flanged bell which can be used to house any of the various coloured glass light filters we normally stock.



List No. 4421D (*P.H.60*)

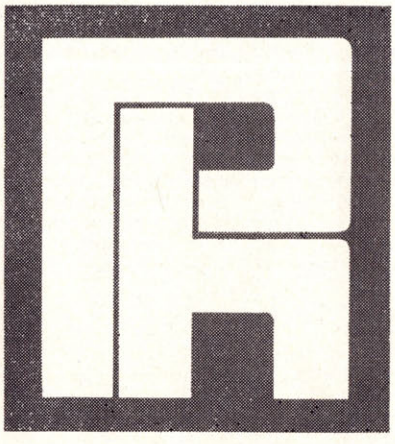
N.B.—Please order colour filters by specifying List No. and tint.

SINGLE-HOLE EYEPIECES

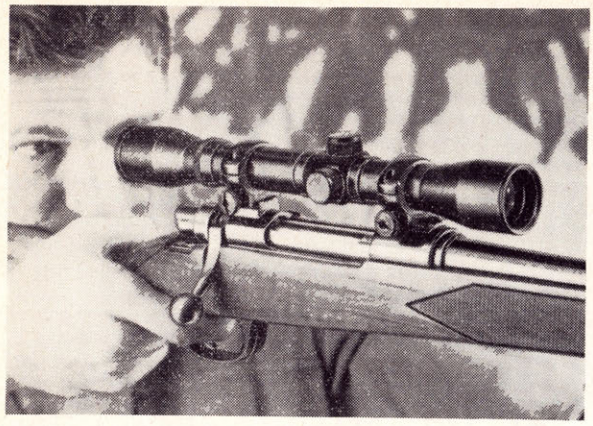
This eyepiece is designed to give satisfaction to aperture sight users in both the sporting and target fields. The chief feature of this eyepiece, apart from its general finish and suitability, is the extreme clarity of view through the aperture. It can be furnished in any of the following aperture diameters — .03", .04", .05", .06", .07" and .08".

SUBJECT TO AVAILABILITY

List No. 4421F



TELESCOPIC SIGHTS



ALL ABOUT 'SCOPES

The advent of low priced telescopic sights has enabled the greater majority of the shooting fraternity to add to their skill by providing an alternative to the existing sighting equipment on their weapons. Indeed, few rifles are sold without the purchaser buying or giving thought to the fitting of a 'scope. The following is intended to assist the novice in understanding the principles and, perhaps aiding his choice of the model most suited to his purpose. The experienced user may even glean certain information of which he is unaware.

DEFINITIONS

A 'scope is usually a steel or alloy tube which contains lenses and a reticule. The lens at the front of the tube is known as the object lens and the lens at the rear is called the "eye" or ocular lens.

The majority of 'scopes at present manufactured have adjustment for both elevation and lateral movements. The adjusters, known as range drums, are usually located mid-way of the body, the drum on the top to adjust for elevation and the drum on the side for lateral or windage movement. The method of adjustment will be dealt with in a later section.

'Scopes are manufactured in two categories, constant or variable power. The word power is used to describe the degree of magnification and for brevity, this is given the letter "X", i.e., 4X indicates that the 'scope has the power to magnify the target and its surroundings four times larger than they appear to the naked eye. It is the practice of the manufacturers to mark their models to show the power and sometimes to give the diameter of the object lens, i.e. 4×32. The number 32, in this instance, is the diameter of the object lens in millimetres. These models are the constant power type. The variable power 'scopes have a knurled ring marked at intervals with the power and this is rotated until the desired power is obtained. The lowest magnification in a 'scope of variable power is 1.5X and the highest 10X. However, different models will give a different choice of variation, i.e. 1.5X – 4X, 3X – 7X, 4X – 10X.

EYE RELIEF

With a terrestial or "Spattung" telescope the ocular lens is held as close to the eye as possible but with a 'scope sight the eye lens is moved away from the eye until the full field of view is obtained. This is a necessary feature as a guard against the 'scope hitting, and perhaps injuring, the eye on recoil of the weapon. This is known as "eye relief" and is usually about three inches; it is invariably quoted in the maker's specification.

FIELD OF VIEW

Mention has been made of "field of view" in the previous paragraph and this is simply the object and its surroundings as viewed through the 'scope. The field can vary according to the magnification of the 'scope and the diameter of the object lens. For instance, a 4X 'scope with 32m/m object lens will give a field of view of 28 feet whereas a 'scope with the same magnification – but with a 40 m/m object lens – will give a field of view of 31 feet. In the case of a variable power 'scope the field of view is reduced as the magnification is increased.

ALL ABOUT 'SCOPES

COATED LENSES

The mass production of lenses on a very large scale permits manufacture at a comparatively low price and a simple method of hard coating the lenses has been perfected. The purpose of this coating is to increase the light gathering power or luminosity. A lens which has not been coated will absorb a small amount of light passing through it. This absorption is reduced considerably by hard coating. In the same manner that increasing magnification can reduce field of view, it also reduces the light gathering power. The advantage of this coating is obvious, therefore, permitting the use of a 'scope at dawn or twilight.

FITTING

It is not possible to generalise on fitting since the make, model and calibre of the rifle is the first consideration. The majority of weapons are grooved to receive a 'scope mounting of some type. Others may be drilled and tapped in appropriate positions for base blocks. Whilst it is desirable to mount a 'scope in a low position but in the case of a bolt action rifle the 'scope should be mounted in such a position that the body is not fouled by the bolt in operation. Most of the cheaper models of 'scopes have their own mounts and usually these can be fitted direct to weapons having the nominal 11.5 m/m dovetail widths. With other models, mounts of suitable size will be required and expert advice should then be sought.

ZEROING

Fitting and zeroing instructions are usually supplied by the manufacturers and these should be carefully followed. Having mounted the 'scope and ensured that all screws are tightened to avoid movement of the 'scope the range for which the weapon is to be zeroed should be decided. Assuming the rifle is .22 calibre and that it is to be zeroed for 50 yards a target or large card should be placed at this distance and the rifle shot and adjusted until the shots hit the point of aim. The reading of the dials on the range drums can then be noted for future use, prior to zeroing for other ranges.
Depending upon the make and model of 'scope each audible click of the range drum will give approximately $\frac{1}{4}$ minute of angle. (A minute of angle subtends to an arc of approximately 1" at 100 yards).

RETICULES

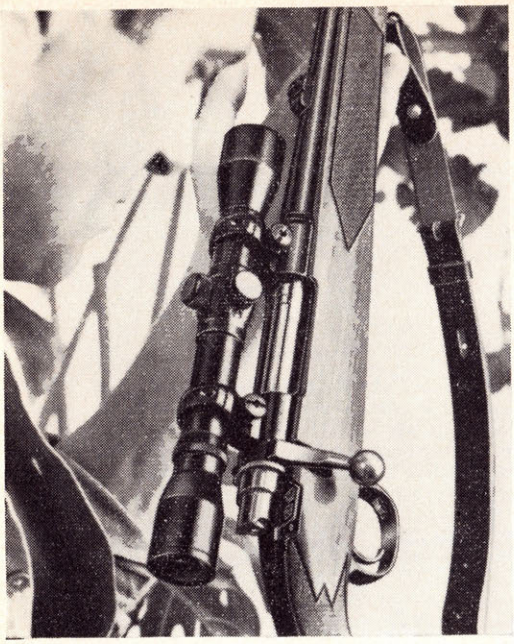
The commonest reticule system in use is the fine wire but other variations may be obtainable depending upon the quality of the 'scope. There are two types, image moving and reticule moving. In the case of the former the reticule remains constantly centred and with the latter the reticule will move in the direction of adjustment. In the case of the reticule moving type, the reticule should be treated as a foresight and lowered in the 'scope to raise point of impact and moved to the left to move point of impact to the right, and vice versa.

FOCUSSING

It will be found that the ocular lens housing can be rotated on the 'scope body. This is for focussing. Having obtained the correct focus the locking ring should be tightened against the housing to prevent movement.

CARE

A 'scope requires the same care as one would give to a pair of binoculars. It should be guarded against hard knocks, blows, or falls and when not in use stored in a dry place where it will not become excessively hot. Dust in the exterior faces of the lenses can be removed with a soft camel hair brush and the lenses polished with a soft tissue after breathing lightly on each. If the 'scope is brought into a warm building or car, in extreme cold weather condensation will form on the body. This should be completely dried and the lenses cleaned as advised. Finally, special tools and great skill is required to strip and re-assemble a 'scope and under no circumstances should this be attempted by anyone other than a skilled craftsman.



NIKKO

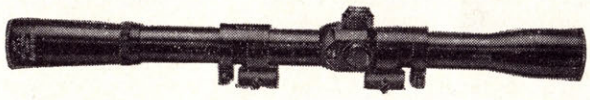
This excellent range of telescopic sights offers World renowned Japanese optics, high precision finish, a revolutionary price structure and features expected of the most expensive models. Every 'scope in the Nikko range has coated lenses for greater light gathering power, click adjustment, nitrogen filling to prevent internal condensation, correction for parallax at 100 yards and all models have fixed reticules which are always accurately centred in the field of view regardless of range or windage adjustment. Models N428, NF432, N632, afford a choice of metallic cross wire or post whilst the remainder are available with cross wire reticules only. Nikko Telescopic Sights represent the best selling range in Britain today. For elegance, sound construction and optical excellence they offer superb value at low budget prices. Rubber spacers for 17 mm. dovetails can be supplied upon request.

NIKKO NS 15

This **new,** well-made telescopic sight has greatly improved upon the production standards normally associated with the 4×15 'scope and offers Nitrogen filling, coated lenses and click adjustment. It is fitted with a versatile mount which enables it to be fitted to either narrow (11.5 mm.) or wide (17 mm.) dove tailed receivers.

Power 4X, *Field at* 100 *yds* 25*ft*., *Reticule* Cross Hairs, *Eye Relief* 2.3 *in*., *Tube Dia* $\frac{3}{4}$ *in*., *Object Glass Dia* 15 *mm*., *Length* $11\frac{1}{2}$ *ins*., *Weight* 7 *ozs*.

List No. 3519

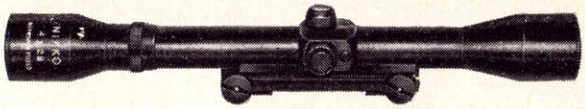


NIKKO NS 19

This is the model which has revolutionized the shooting public's concept of what constitutes a low-priced 'scope. It is beautifully styled, precision finished and, like the costliest telescopic sights, employs coated lenses and Nitrogen filling. The NS 19 is fitted with a versatile integral mount which enables it to be fitted to either narrow (11.5 mm.) or wide (17 mm.) dovetailed receivers.

Power 4X, *Field at* 100 *yds* 27 *ft*., *Reticule* Cross Hairs, *Tube Dia* $\frac{3}{4}$ *in*., *Eye Relief* 2.2 *in*., *Object Glass Dia* 20 *mm*., *Length* $11\frac{1}{2}$ *ins*., *Weight* $7\frac{1}{2}$ *ozs*.

List No. 3520

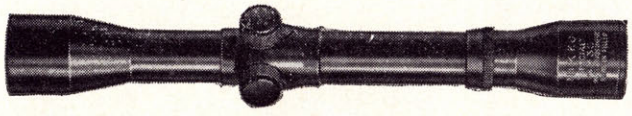


NIKKO N 428

This **new** addition to the Nikko range offers an intermediate size in object glass diameters and, like other models, it employs a superior shock-proof construction and is **double checked** at every stage of manufacture. Again with block mount fitting for the 11.5 mm. dovetail and with a body diameter of $\frac{7}{8}$ in. Nitrogen filled, coated optics.

Power: 4X, Field at 100 yds: 28 ft., Reticule: Cross Hairs, Eye Relief: 3 ins., Tube Dia. $\frac{7}{8}$ in., Object Glass Dia. 28 mm., Length: $11\frac{3}{8}$ ins., Weight: 10 ozs.

List No. 3523

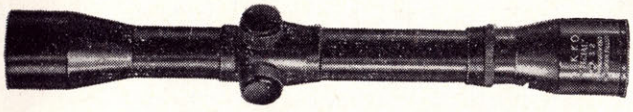


NIKKO N 432

This superbly styled 'scope is one of the most popular models in the Nikko range. It is sturdily constructed and offers a high light utilization.

Power: 4X, Field at 100 yds: 28 ft., Eye Relief: 3.2 in., Tube Dia. 1 in., Object Glass Dia. 32 mm., Length: $11\frac{1}{2}$ ins., Weight: 10 ozs. Fixed reticule with metallic cross wire or post. Coated lenses. Nitrogen filled.

List No. 3524



NIKKO NF 632

This model offers greater power at a very modest price and has all the Nikko hallmarks of sound shock-proof construction, precision engineering and fine finish.

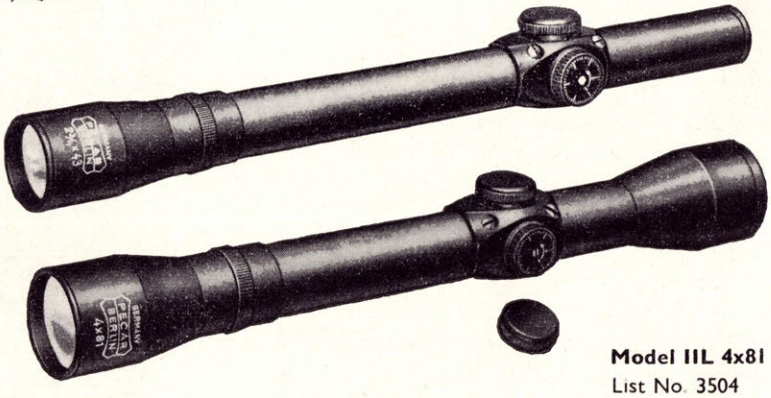
Power: 6X. Field at 100 yds: 22 ft., Eye Relief: 3 ins., Tube Dia. 1 in., Object Glass Dia. 32 mm., Length: $11\frac{1}{2}$ ins., Weight: 9 ozs. Fixed reticule with metallic cross wire or post. Coated lenses. Nitrogen filled.

List No. 3525

PECAR

We are proud to be able to offer this outstanding range of telescopic sights which result from many years of technical experience in this particular field. The optics of the Pecar range are the very finest produced by Germany's famous optical industry. Above all, their design ensures complete simplicity of construction, assembly and mounting, thanks to the PECAR INTERCHANGEABLE RETICULE SYSTEM. Special hard coated achromatic lenses ensure maximum intensity of light and brilliancy. An outstanding feature of Pecar 'scopes is the fact that they are Nitrogen filled to give complete protection against dampness and dust: the inner surfaces of the lenses simply cannot become obscured. These excellent 'scopes will weather the roughest treatment since they are 100% shockproof and free of parallax.

Model IS (Steel) $2\frac{3}{4}$x64
List No. 3503



Model IIL 4x81 (Lightweight)
List No. 3504

	Magnification	Intensity of light	Field of view ft./110 yd.	1 click at 110 yd. mm.	Eye-relief mm.	Length mm.	Diameter of			Weight g
							Ocular piece mm.	Middle tube mm.	Objective piece mm.	
Pecar IS*	$2\frac{3}{4}$x	64	41	19	80	290	31	22	22	275
Pecar IIL	4x	81	31	9,5	80	305	38	26	40	290

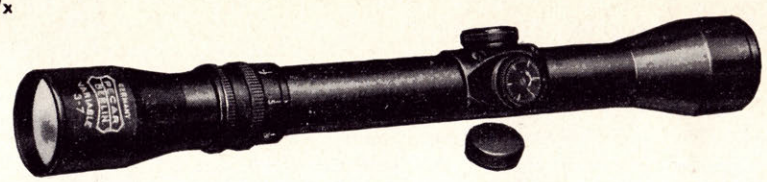
L=Lightweight **S**=Steel

For interchangeable reticules see later page.

**Available while stocks last.*

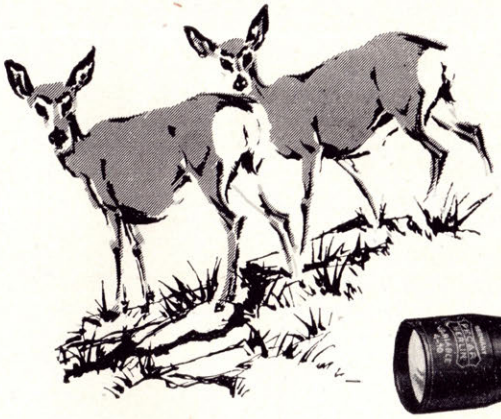
PECAR

Model V1-S 3-7x
List No 3501



Magnification	Intensity of light	Field of view ft/110 yd	1 click at 110 yd mm	Eye relief mm	Length mm	Diameter of: Ocular piece mm	Diameter of: Middle tube mm	Diameter of: Objective piece mm	Weight g
3x	132	41	9.5	80	325	38	26	40	390
5x	49	26							
7x	25	21							

For interchangeable reticules see later page.



Model V2-S 4-10x
List No 3502

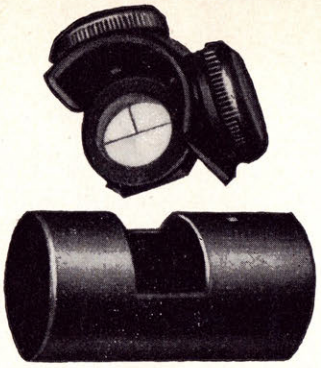
Magnification	Intensity of light	Field of view ft/110 yd	1 click at 110 yd mm	Eye relief mm	Length mm	Diameter of: Ocular piece mm	Diameter of: Middle tube mm	Diameter of: Objective piece mm	Weight g
4x	123	31	7.2	80	355	38	26	50	455
6x	55	24							
8x	31	18							
10x	20	16							

S=Steel.

For interchangeable reticules see later page.

Each telescope sight carton packed complete with leather end caps.

PECAR

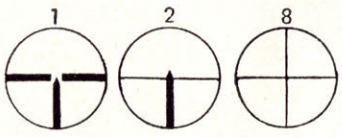


The Interchangeable PECAR Reticule System

This new design incorporates a number of distinct advantages over the previous models. Windage and elevation, together with the reticule are mounted on a common base which is removed by the simple process of loosening two small screws. The changing of reticules does not affect the zeroing of the rifle and no further adjustment is necessary. No special tools are required and the 'scope can remain mounted on the rifle. The PECAR system is so simple and safe that damage to the reticule is practically impossible.

If ordering Interchangeable Systems, please indicate whether 22 mm. diameter or 26 mm. diameter of middle tube is wanted.

Standard reticules



Other reticules available to special order

KAHLES RIFLE 'SCOPES

Sixty years' experience in scope manufacture is your guarantee of high efficiency and precision craftsmanship in this fine range of Kahles Rifle 'Scopes.

Although a skilfully produced instrument, construction is simple, making for accuracy and reliability. The end cells and central tube are integral and because of the shockproof setting of the lenses, with their excellent optical properties, proper collimation is assured.

The erecting lens system and reticule have been built into a single unit to eliminate the possibility of errors.

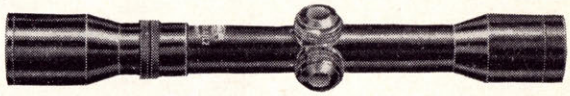
Other noteworthy features of these Austrian 'Scopes include protection against rain and sunglare, prevention of damage to the reticule adjustment knobs by use of screw caps and adjustment of focusing to suit the individual.

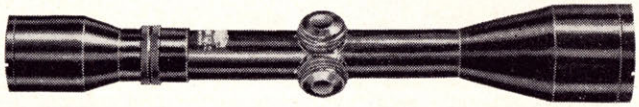
Every click of the adjusting knobs moves the centre of impact one quarter of one minute of angle. For practical purposes one minute of angle equals 1" at 100 yards distance.

RIFLE SCOPES WITH ELEVATION AND WINDAGE (LATERAL) ADJUSTMENT

2/L2* List No. 3540

List No. 3541 4/L2

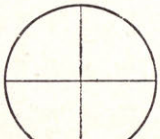




6/L2* List No. 3542

SPECIFICATION

LIGHT WEIGHT MODELS	Magnification	Dia. of Entrance Pupil (ins.)	Light Gathering Power	Field of View at 100 Yds. (in feet)	Length of Scope (ins.)	Diameter of Object Tube (ins.)	Diameter of Central Tube (ins.)	Diameter of Eyepiece Tube (ins.)	Eye Relief (ins.)	Weight (approx) (ozs.)
2/L 2	2½ x	0 787	64	60	9⅝	1 023	1 023	1 500	3⅛	7¾
4/L 2	4 x	1 220	60	36	11	1 437	1 023	1 500	3⅛	8¾
6/L 2	6 x	1 654	49	27 6	12¼	1 969	1 023	1 500	3⅛	11



6

1A

2

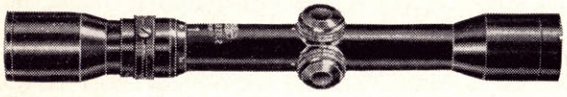
These are the three most popular reticules with which our running stock of Kahles Rifle 'Scopes is fitted. To avoid lengthy delays, 1st, 2nd and 3rd choice of reticule should be given when ordering.

**While stocks last.*

VARIABLE POWER 'SCOPES

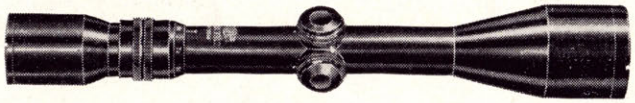
In these Kahles variable power 'scopes the magnification is varied by simply turning the eye piece, thereby instantly adapting it to momentary circumstances. The following data apply to both types of scope, which are produced in several models:

1. Despite change of magnification focussing and elimination of parallex remain.
2. The ciphered whole number and half number magnifications are click adjustable.
3. At any given magnification the full objective aperture is effective; therefore the light gathering power increases enormously at small magnification. The resulting enlarged exit pupil facilitates the shooting of fast moving game (see tables below).
4. The field of view is at least as large as in corresponding scopes with fixed magnification.
5. Focussing is effected by turning the eyepiece tube and can be locked in position.
6. The eye relief stays at $3\frac{1}{8}$ inches irrespective of the magnification set.
7. Every click of the adjusting knobs moves the centre of impact one quarter of one minute of angle. For practical purposes one minute of angle equals 1" at 100 yards distance.



27/L2 List No. 3543

List No. 3544 39/L2



SPECIFICATION:

LIGHT-WEIGHT MODELS	Length of Scope (ins.)	Diameter of Object Tube (ins.)	Diameter of Central Tube (ins.)	Diameter of Eyepiece Tube (ins.)	Twilight Performance	Eye Relief (ins.)	Weight (approx.) (ozs.)	Data dependent on magnification set: Magnification	Exit Pupil mm.	Light Gathering Power	Field of View at 100 Yds (in feet)
								2.3 x	13.5	182	54
								3 x	10.3	106	54
								4 x	7.75	60	42.3
27/L 2	$11\frac{1}{4}$	1.437	1.023	1.500	961	$3\frac{1}{8}$	$10\frac{1}{4}$	5 x	6.2	38.5	33.6
								6 x	5.2	27	27
								7 x	4.4	19,5	23.4
								3 x	14	196	42
								4 x	10.5	110	42
								5 x	8.4	71	33.6
39/L 2	$12\frac{3}{8}$	1.969	1.023	1.500	1764	$3\frac{1}{8}$	$12\frac{3}{8}$	6 x	7	49	27.9
								7 x	6	36	23.4
								8 x	5.2	27	20.4
								9 x	4.7	22	18,3

Telescope Sight Mounting

And how to check for accuracy

The mounting or fitting of a telescope sight to a rifle is nowadays a more simple yet infinitely more reliable job of work than ever before, since many manufacturers provide some integral means of attachment on the weapon, and batch production of mounts has eliminated the more costly hand craftsmanship that previously was often responsible for the gross charge of inaccuracy levelled at telescope sights generally.

It is still desirable for an intending purchaser to seek expert advice before acquiring a comparatively expensive instrument, for it may turn out to be quite the wrong article for attachment to his rifle, or for his type of shooting.

The question of suitability of a particular telescope is bound up with considerations of available mounts, suitability to the rifle, and to the individual shooter.

Fortunately, we have developed a comprehensive series of mounts and base blocks to permit a satisfactory solution to these problems in most instances. Simplicity is the key note of our own designs both to keep prices reasonable and to obviate complications; thus our mounts fit the dovetails machined along many of the more popular rifle actions, have integral recoil stops and capped rings designed for all the most popular telescope sight tube sizes for fitting without stripping the instrument.

When choosing a telescope sight, the first consideration must take into account the conditions under which the instrument will normally be used and the minimum magnification that will satisfy the individual.

It must also suit the rifle to enable standard mounts to be employed. The characteristics of the weapon and the shooter's most comfortable stance must be taken into account and for these reasons we provide mounts that give a moderate variation in height to permit the lowest possible mounting of telescope sights with large or small objectives.

The following pages give further detailed information to enable our customers to make their own selection of mounts and if necessary suitable base blocks.

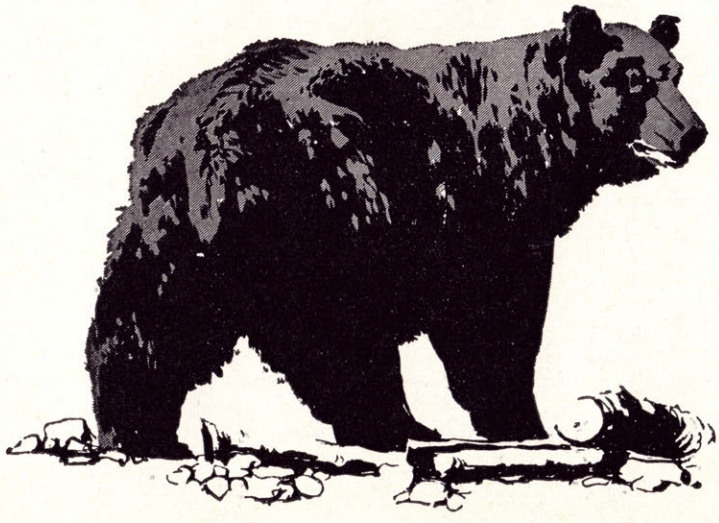
TELESCOPE SIGHT MOUNTING

In the course of the past twenty years we have probably fitted many thousands of rifles with telescope sights and our familiarity with the simple problems of their adjustments or "zeroing" permits us to give users a simple explanation of how to check the accuracy of their sights prior to making any expedition against field game.

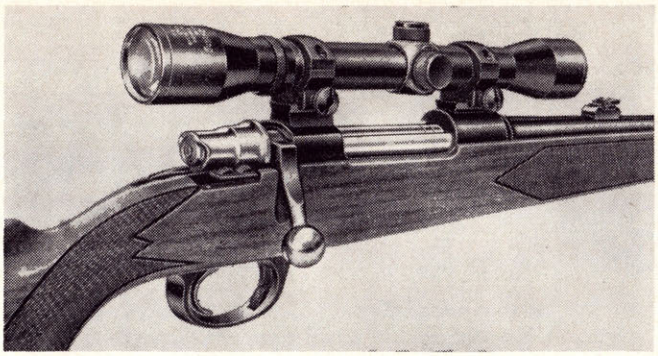
Most telescope sights are provided with internal elevation adjustment by the turning of a knob or drum on top of the tube; some have a similar means of lateral adjustment. Where this is lacking, mounts having a limited lateral adjustment are usually employed. The object of the exercise is to make the line of sight coincide with the mean point of impact of the bullets at a pre-determined distance. A useful test which does not involve shooting can be made by lodging the rifle so that a distant object is visible as viewed through the barrel. Without moving the rifle, the knob or knobs on the telescope sight should then be turned until the sighting element in the telescope sight impinges precisely on the same object as viewed through the barrel. We then have a projection of the barrel coinciding with a projection of the line of sight and at all distances up to that particular range a fired bullet will not deviate very much from the line of sight.

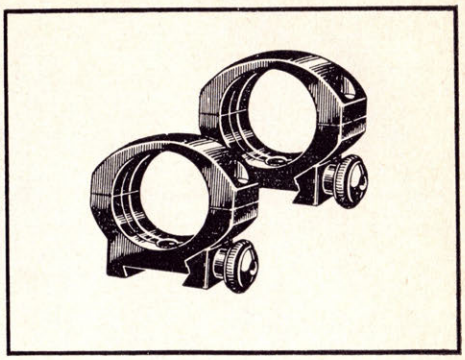
The next step is to shoot the weapon at a range of 50 yards maximum at a target at least a foot square, and observe the position of the strike on the target and its relationship to the point of aim.

If necessary, suitable manipulation of the knobs on the telescope sight or the adjustment within the mounts will enable the shooter at least to bring his shots on to the correct lateral zero. He should then decide upon his normal average distance at which he could expect to take the maximum number of shots at game and to set up a target at this distance to check his shorter range adjustments. Many telescope sight knobs have false rims which may, subsequent to the above adjustment, be slackened and so turned that a zero mark on the rim can be brought to coincide with a similar mark on the saddle and locked in this position. When this is done the rifle may be said to be zeroed for that range. Movement to allow for the drop of the bullet for longer or shorter distances according to the ballistics of the ammunition used must be found by trial shoots over specified distances and may then be marked, or memorised if engraved divisions are already provided on the adjustment knobs.



PARKER-HALE "ROLL-OFF" MOUNTS





Special Features

- Instantly removable.
- Absolutely accurate realignment on refitting.
- Easily installed.
- Rugged construction.
- Beautiful finish.
- Inexpensive.
- Choice of two types with or without windage adjustment.
- Varying heights of Mounts available for different 'scope object lens sizes.
- Lightweight—only 3 ozs. complete with base blocks (where required.)

Our line of "Roll-Off" Mounts is recommended to purchasers of any sporting type 'scope sight, for they provide the most rigid detachable form of mounting with the greatest attainable economy. Now produced in varying heights, varying sizes of dovetail and in ring diameters to suit all standard 'scope tube diameters.

The illustration shows a typical sporting telescope sight with vertical and lateral internal adjustments suitably located on a Parker-Hale 'Safari' Mauser type rifle in a pair of our new, streamlined "Roll-Off" Mounts, giving adequate clearance for operation of the bolt action and correct relationship for comfortable use of the rifle without danger to the shooter on recoil.

"Roll-Off" mounts employ capped rings with which we avoid any dismantling of the 'scope sight that may otherwise destroy the moisture proof sealing of the instrument. The simple hinged clamp and the optional recoil stud should also be noted.

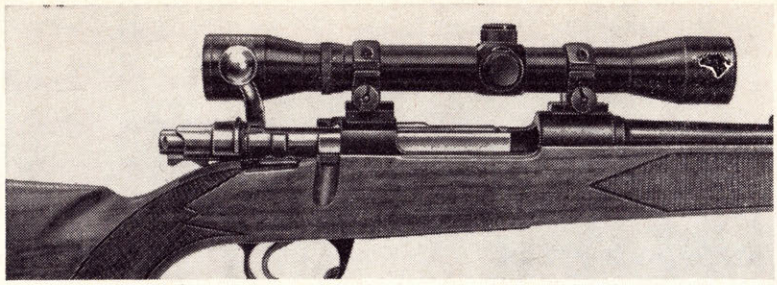
The clamp is operated by the pressure of a coin slotted knurled knob which is retained against accidental loss, yet permits the hinge to open sufficiently wide to let these mounts roll off their base as opposed to sliding them off the dovetail endwise.

The inclusion of a recoil stud is a wise precaution against inadvertent detachment of the 'scope sight where suitable recesses are not provided in certain standard productions, e.g. BRNO Hornet and B.S.A. Supersport rifles, but these can be readily drilled.

Apart from the series of "Roll-Off" mounts made for certain proprietary rifles which already have machined receivers, these mounts can be fitted to almost any make of weapon to which simple dovetail section base blocks are attachable. We make base blocks in a variety of styles and sizes as listed hereafter, enabling them to be readily fitted with telescope sights.

Our "Roll-Off" Mounts are currently in production for most sizes of 'scope tube and have bases sized to grip the dovetail sections machined along the receivers of all the more popular rifles.

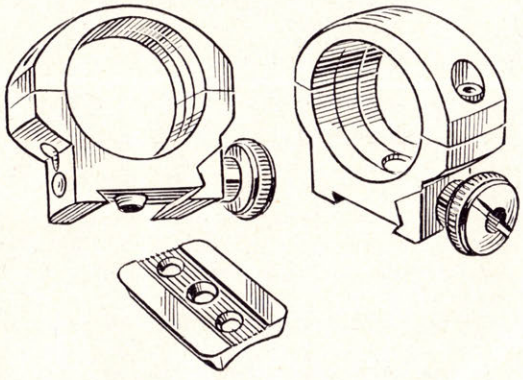
PARKER-HALE "ROLL-OFF" MOUNTS



Current types of telescope sights are variously fitted either with vertical adjustments only, or with dual knobs for vertical and lateral adjustment.

The problems of mounting the former type are greatly simplified through the use of mounts having a limited integral lateral adjustment. Consequently the appeal of our "Roll Off" design has been enhanced by the more recent production of "Roll Off" mounts (*as illustrated*) incorporating this desirable feature of lateral movement.

Thus the range of our models has been extended to give a variation of heights that render available for selection a pair of mounts with or without lateral adjustment to suit almost any combination of rifle and telescope sight to give the lowest possible position for the telescope with correct eye relief and clearance for operation of the action.



Our "Roll-Off" mounts are machined from solid dural bar, polished, anodised and stained black.

To remove or replace the 'scope sight it is merely necessary to loosen the two clamp screws, swing the 'scope sideways and disengage it from the base blocks or the machined dovetail on the rifle.

The sighting will not be altered by this operation. To simplify selection without necessarily covering all possible combinations without prior correspondence, we have prepared a chart which appears on the page following our basic lists of mounts and base blocks. It will be noted that in the case of rifles not already dovetailed, we recommend specific base blocks, which will fit the screw holes already drilled and tapped in the receivers.

Base Blocks are not included in the price of these mounts. Whenever base blocks and fixing screws are required, these will be charged extra according to current prices.

PARKER-HALE "ROLL-OFF-MOUNTS"

RIFLE MODEL	RINGS	BASE BLOCK	
		FRONT	REAR
Parker-Hale Safari Models 1200, 1100 and 1000	low	BA22	BA28
No. 1 British Lee-Enfield	low	BA24	One Piece
No. 1 British Lee-Enfield Parker-Hale "Custom"	low	BA27	One Piece
No. 4 British Lee-Enfield Parker-Hale "Custom"	low	BA29	One Piece
No. 4 & 5 British Lee-Enfield (use High Rings only)	High	BA20	BA21
B.S.A. Monarch	low	BA3	BA11
BRNO High Power Model	High	Fit to Dovetailed Receiver	
F.N. Mauser	low	BA3	BA13
Mauser 98 Military	High	BA3	BA9
Schultz & Larsen	low	BA18	BA19
Husqvarna Lightweight	low	BA3	BA16
Former Husqvarna Mauser with receiving Ring 1.410	low	BA3	BA13
Remington 722–725 in .222, .244, .243 Cal. 700 in .222, .222 Mag, .243, .308 Cal.	low	BA25	BA11
Remington 740–760	low	BA26	One Piece
Remington 721–725 in .280, .270, .30–06, .375, .458 Cal. 700 in .270, .280, .30–06, 7 mm. Mag. .264, .375, .458 Cal.	low	BA3	BA11
Winchester 70 – All calibres except .300 and .375	low	BA3	BA5
Winchester 70 – Calibres .300 and .375	low	BA3	BA15

"ROLL-OFF" 'SCOPE SIGHT MOUNTS

COMPLETE LIST OF MOUNTS NOW AVAILABLE

RALS 3	1″ with long studs	19.5 mm. width	.230″ Under tube clearance
RALS 4	1.020″ ,, ,, ,,	,, ,,	,, ,, ,, ,,
RAHS 3	1″ with long studs	,, ,,	.486″ Under tube clearance
RAHS 4	1.020″ ,, ,, ,,	,, ,,	,, ,, ,, ,,

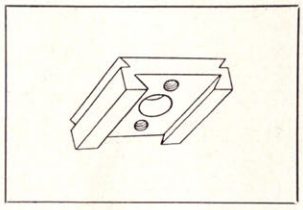
The following mounts will only continue to be available whilst present stocks last.

RCH 1	$\frac{3}{4}$″ without studs	Continental Dovetail	.486″ Under tube clearance
RANS 1	$\frac{3}{4}$″ with standard studs	19.5 mm. width	.330″ Under tube clearance
RANS 2	$\frac{7}{8}$″ ,, ,, ,,	,, ,,	,, ,, ,, ,,

B-TYPE BASE ADAPTORS

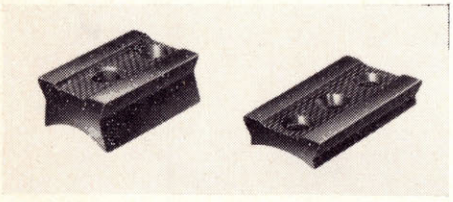
Suitable for fitting to BRNO 17 mm. dovetail and to receive our A-type mounts.

List No. 4443



PARKER-HALE BASE BLOCKS for "ROLL-OFF" MOUNTS

of nominal 19.5 mm. dovetail width



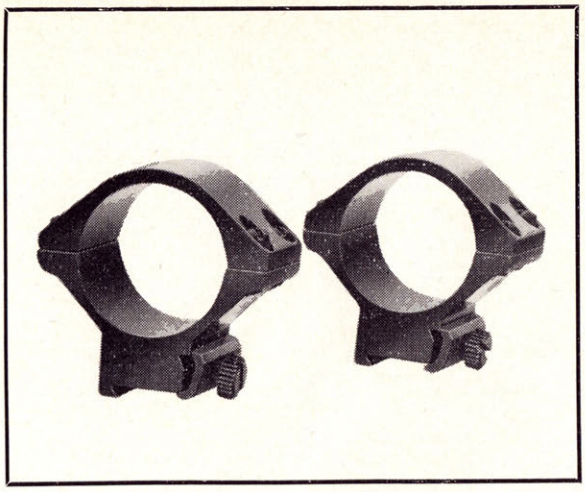
We now include a recoil stud recess in every "Roll-Off" base block where it is feasible.

The use of at least one mount with recoil stud in every pair provides an insurance against 'scope damage if the clamp screws are inadvertently slackened.

All bases are now contoured.

List No.	Nominal Length	Nominal Height	Hole Spacing
BA 2	1.250	.140	.860
BA 3	1.250	.125	.860
BA 5	1.250	.225	.860
BA 6	1.250	.195	.860
BA 9	.750	.275	.375
BA 10	.875	.140	.500
BA 11	.985	.225	.604
BA 13	.825	.295	.504
BA 15	.875	.250	.435
BA 16	1.00	.220	.504
BA 18	1.250	.125	.860
BA 19	1.250	.125	.504
BA 20	.770	.197	.375
BA 21	Battle Sight	Replacement	
BA 22	1.250	.173	.860
BA 23	.875	.325	.531
BA 24	4.546	.281	One Piece
BA 25	1.843	.125	.860
BA 26	4.437	.140	One Piece
BA 27	4.370	Side Fixing	1.00
BA 28	1.062	.325	.504
BA 29	4.370	Side Fixing	1.00
BA 30	.875	.250	.330
*WE 1	4.000	.250	3.000

**W.E. 1. Single Base Block 4″ long, nominal 12.5 mm. dovetail, two countersunk fixing screw holes. Suitable for fixing Nikko models NS 15, NS 19, NS 428, NT 20 and NT 37 to rifles without machined dovetail.*

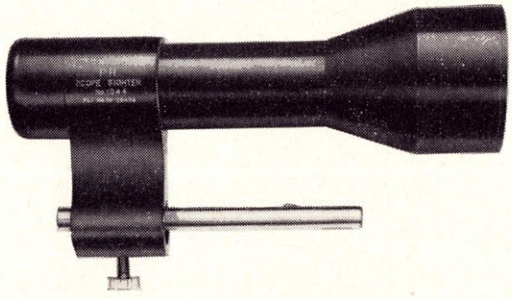


MIROKU SCOPE MOUNTS

This simple scope mounting of Japanese manufacture is intended to meet the demand for fitting the cheaper type of scope with 1″ body and for application to dovetail or blocks of nominal 11.5 mm. width. Of robust manufacture. Inexpensively priced.

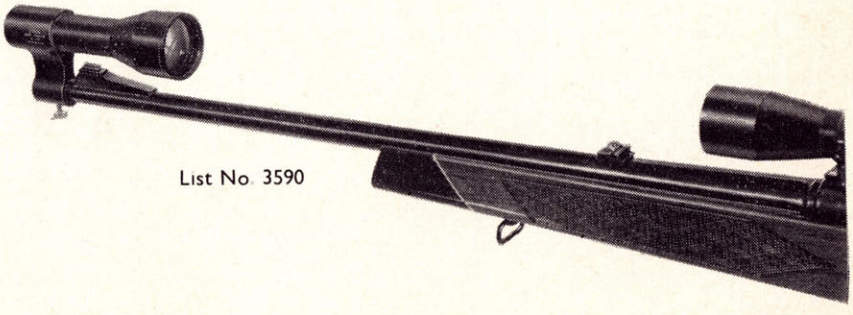
List No. 3901P

PARKER-HALE SCOPE SIGHTER

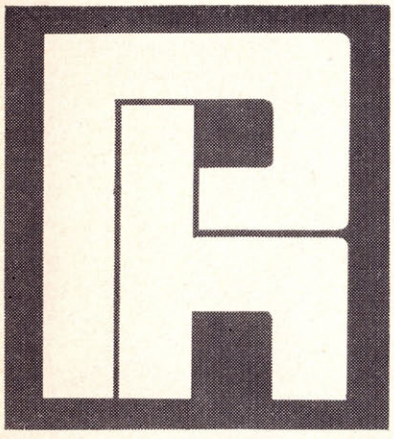


The Parker-Hale Scope Sighter is designed to reduce the expenditure of ammunition when zeroing a scope sight. When fitted to the muzzle of the rifle, using a rod of the appropriate calibre, the scope sight can be aligned on to a squared scale in the scope sighter and adjusted until the reticule intersection or post is centrally positioned on the scale.

The instrument is supplied as standard with .22 and 30 Cal. rods but .243 and .270 Cal. rods can be supplied as optional extras.



List No. 3590



SPOTTING 'SCOPES

PARKER HALE LTD., BIRMINGHAM 11

SPOTTING 'SCOPES

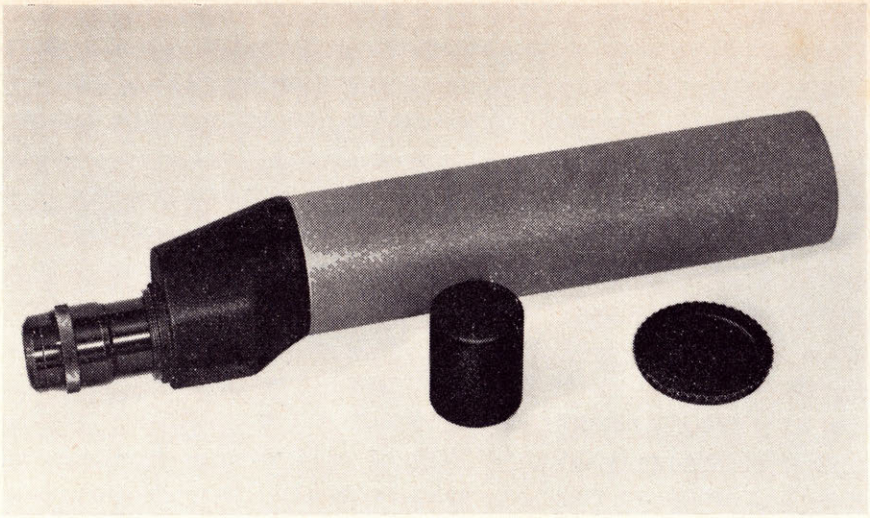
Following the great reception which shooters have accorded the Japanese range of Nikko Telescopic Sights, we are pleased to introduce shooting men to another excellent range of Japanese optical goods, namely Greenkat Spotting 'Scopes. These are of particular interest to the Target Shooter, as they are eminently suitable for the purpose of spotting .22 calibre shot holes or the marking discs that are used on Service rifle targets. Like the Japanese Telescopic Sights, these Spotting 'Scopes are offered at prices far below the levels previously associated with these lines – yet they maintain the optical excellence and fine finish of more expensive models.

The Greenkat Prismatic Spotting 'Scope has a fine all-round degree of quality, and can be relied upon to give a superb performance.

We also introduce an excellent new Greenkat Zoom Telescope, providing powerfully varied magnification for the shooter who likes to select individual magnifications.

But for those who prefer a finer field of view with less magnification, the Greenkat Prismatic Spotting 'Scope provides the ideal choice.

THE GREENKAT PRISMATIC SPOTTING SCOPE



This well made Japanese production represents exceptional value for target shooters and outdoorsmen generally. Whilst produced to retail at a lower budget price than is normally associated with this type of spottingscope the Greenkat Prismatic Spottingscope has, nevertheless, been styled to satisfy the discerning with an all round high degree of quality.

It has excellent optics with coated lenses for greater light gathering power and is well finished in an elegant grey crackle. Supplied complete with quickly removable dust caps. All in all, a handsome, well-made spotting-scope at a most attractive price.

SPECIFICATION

Overall length	15½ in.	Focusing	Finger light screw focusing movement
Weight	1lb. 12½ ozs.	Exit Pupil Diameter	2 mm.
Object Diameter	57 mm.	Magnification	22X
Field of View	9 ft. at 100 yds. (approx.)		

List No. 3630

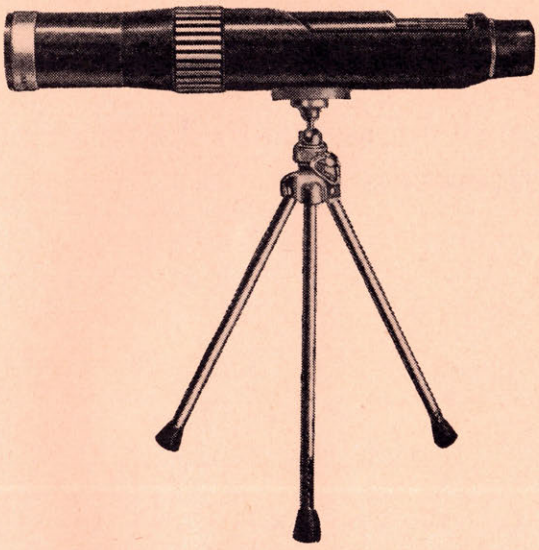
THE GREENKAT PRISMATIC TELESCOPE

This precision made Japanese prismatic telescope gives you optical excellence for an extremely reasonable price. It has coated lenses with an exterior grey finish. Stirrup mount on table tripod.

SPECIFICATION

Overall Length	11½"
Object Diameter	60 mm.
Field of View	70 ft. at 1,000 yds.
Magnification	30X

List No. 3638



THE GREENKAT SR ZOOM TELESCOPE

This is another beautifully made Japanese telescope which represents outstanding value for Target shooters. Zoom operated by fingertip roller, focus by plated and fluted cylindrical geared action. Stylish finish in black/grey. Supplied complete with handsome tripod. List No. 3639

SPECIFICATION

Magnification	8X – 25X
Object Diameter	30 mm.
Overall Length	$12\frac{1}{8}$ ins.
Weight	19 ozs.

THE GREENKAT PRISMATIC MONOCULAR KIT

Representing a first-class miniature Kit for the outdoorsman – and for pistol shooters in particular – this remarkably low priced Japanese Kit comprises monocular viewer, tripod, car window mount, pistol grip and wrist strap. Superbly produced in an elegant dark grey metallic finish. Eye ring focusing.

SPECIFICATION

Magnification	10X
Object Diameter	30 mm.
Length	5 ins.
Weight of viewer	8 ozs.

List No. 3637

PARKER-HALE " CLOSE-UP " 'SCOPE STAND
FOR SHORT TELESCOPES

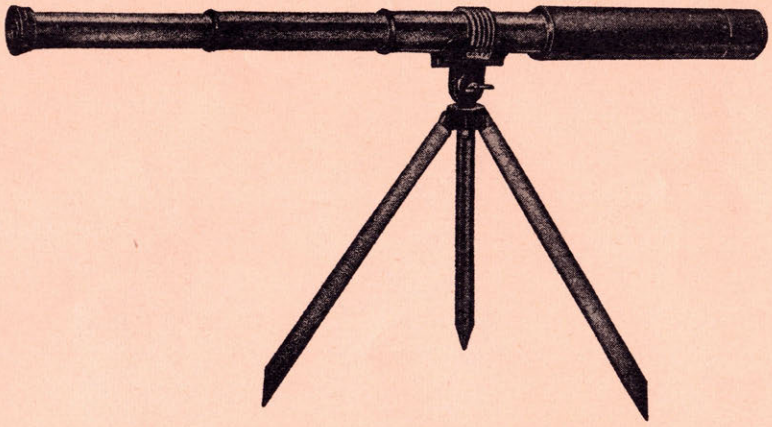
Length overall closed — approximately 12½"
Maximum height — from ground to base of cradle 11"
Maximum height — extended 14½"
Weight 24 ozs.

List No. 4790 (227M)

As its name implies this stand has been designed to permit short telescopes to be used without risk of one's elbow fouling the legs while aiming. Some firing points are too short to permit the usual long telescopes to be used in comfort and if, as is usual, the telescope is used on the left, the firer's left elbow must have a clear space. The supports for the "Close-up " stand provide the necessary clearance.

The spring clamp for holding the telescope in the cradle is the same successful device as is used on our renowned " Sensitive " 'scope tripod. The " Close-up " stand is constructed throughout of light alloys with black crystalline finish as standard and is virtually rust and weatherproof. The cradle is mounted on a separate table which slides in the pillar and allows for approximately 3½" extension, the sliding tube may be firmly locked in position by means of a knurled locking screw. The cradle has tilting and swivelling movements frictionally controlled by knurled locking rings. The " Close-up " stand is rigid yet light, when not in use the legs fold back close against the pillar enabling the stand to be conveniently packed in shooting bag or case.

PARKER-HALE "SENSITIVE" 'SCOPE TRIPOD



The Parker-Hale "Sensitive" 'Scope Tripod is extremely popular among target riflemen and can be found on rifle ranges throughout the country. The sound design of the whole stand ensures sensitiveness combined with rigidity. It will stand firmly on any firing point no matter how uneven the surface, yet is so sensitive it can be swung and rocked with a touch of the hand.

The 'scope is held by a quick release coiled clamp (see illustration below) in a special tough brass cradle: the use of this material prevents the cradle from 'spreading' from its original vee shape. Being made almost entirely of non-ferrous metal, the stand is rustproof and weatherproof and requires no lubrication.

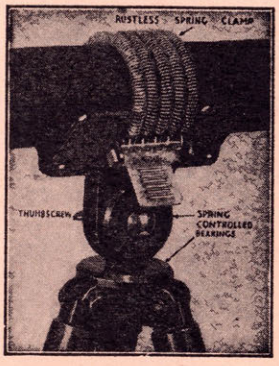
SPECIFICATION

Aluminium legs, grooved for lightness, attached by solid brass joints and steel axis pins. Brass turntable controlled by flat coiled spring. Tough brass cradle controlled by large crab spring and chromium plated steel thumbscrew.

Universal spring 'scope clamp with quick release. Material and workmanship are of the highest standard throughout. Unless otherwise specified this stand is normally fitted with the standard 2 7/16" length spring clamp.

Length overall 16". Weight 24 ozs.

List No. 4792 (227 JL)



PARKER-HALE SCRATCHLESS COILED SPRING CLAMPS

For the Parker-Hale "Sensitive" 'Scope Tripod and the "Close-up" 'Scope Stand

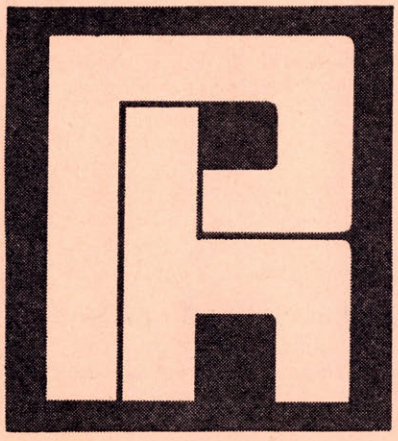
We stock these in two sizes, viz:—

Standard, 2 7/16" List No. 4792A

Long, 3 5/16" List No. 4792B

The "Standard" takes the majority of 2, 3, or 4 draw tube 'scopes.

The "Long" will take the largest tube diameter that can reasonably be used on the stand; the "Long" should be specified for use with large diameter prismatic telescopes.



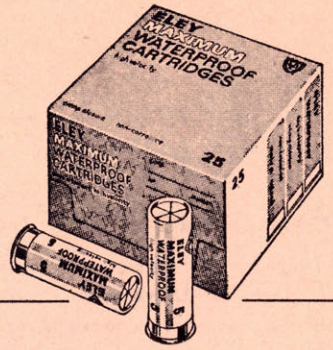
AMMUNITION

ELEY

SHOTGUN AMMUNITION

Eley cartridges cover a very wide range of gauges and shot sizes, one for almost any gun and type of shooting.

Eley shotgun cartridges are packed in cartons of 25 and are supplied in outer containers holding 10 cartons i.e. 250 cartridges of one quality, gauge, length and shot size.



ELEY CARTRIDGES FOR GAME AND GENERAL PURPOSE SHOOTING

GRAND PRIX

Acknowledged throughout the world as the most versatile cartridge brand, Grand Prix is available in 12, 16 and 28 gauge and the equivalent 'Twenty Gauge'. In various loads and a wide variety of shot sizes, Grand Prix is *the* general purpose cartridge. Ideal for partridges, pheasants, pigeons, rabbits and available with buckshot loads for small animals.

IMPAX

Impax, with its 1 oz. load, has two special features—exceptional patterns and low recoil. Easy on the shoulder, hard on the target.

TWO INCH

An excellent game shooting cartridge made specially for light 2 in. chambered guns.

.410 GAUGE

Fourten 2 in., Fourlong 2½ in., and Extra Long 3 in., give excellent results at targets taken at closer ranges.

gauge	gun chamber length in	gun chamber length mm	brand name	shot load oz	shot load g	head length in	head length mm	closure	shot sizes available
12	2½	65	Grand Prix H.V.	1⅛	32	⅝	8	C	BB, 1, 3, 4, 5, 6, 7, 8, 9
12	2½	65	Grand Prix	1 1/16	30	⅝	8	C	4, 5, 6, 7
12	2½	65	Grand Prix	1 1/16	30	⅝	8	R	BB, 1, 3, 4, 5, 6, 7, 8, 9
16	2½	65	Grand Prix	18/16	26.5	⅝	8	C	BB, 1, 3, 4, 5, 6, 7, 8, 9
20	2½	65	Twenty Gauge	13/16	23	⅝	8	C	BB, 3, 4, 5, 6, 7, 8
28	2½	65	Grand Prix	⅞	16	⅝	8	R	5, 6, 7
12	2½	65	Impax	1	28.5	⅝	8	C	5, 6, 7
12	2	50	Two Inch	⅞	25	⅝	8	R	5, 6, 7
.410 gauge cartridges									
.410	3	75	Extra Long	⅜	18	⅜	10	R	4, 5, 6, 7
.410	2½	65	Fourlong	7/16	12.5	⅜	10	R	BB, 3, 4, 5, 6, 7, 9
.410	2	50	Fourten	5/16	9	⅜	10	R	4, 5, 6

Abreviations:
g—gramme C—crimp closure R—rolled turnover HV—high velocity

ELEY CARTRIDGES FOR CLAY SHOOTING

OLYMPIC TRENCH

A specialist cartridge for a specialist sport. Loaded with selected components and 1¼ oz. of No. 7 shot.

TRAPSHOOTING

This cartridge has established itself over the years as the ideal cartridge for Down-the-line and Sporting clay target shooting. Reduced velocity and recoil. The number of '100 straight' scores made with these cartridges is testimony to their regular ballistics and consistent patterns.

SKEET

Loaded to the requirements of International Skeet shots. Slightly faster than Trapshooting No. 9 shot.

TRACER

Brilliant red tracer in centre of the pattern enables the shooter to find out where his shot is travelling and correct if necessary. Ballistic level is the same as Eley Trapshooting.

TRAINER

For economical practice shooting, especially at Sporting clays. Light load, even patterns. Ideal for instruction.

GRAND PRIX HIGH VELOCITY

These 1⅛ oz. high velocity cartridges have proved popular for clay target as well as game shooting, and give trouble free functioning in auto loaders and slide action guns.

gauge	gun chamber length in	gun chamber length mm	brand name	shot load oz.	shot load g	head length in.	head length mm.	closure	shot sizes available
12	2¾	70	Olympic Trench	1¼	35.5	5/16	8	C	7
12	2½	65	Skeet	1⅛	32	5/16	8	C	9
12	2½	65	Trapshooting	1⅛	32	5/16	8	C	6, 7, 8
12	2½	65	Trainer	⅞	25	5/16	8	C	7
12	2½	65	Tracer	1⅛	32	5/16	8	C	7
12	2½	65	Grand Prix HV	1⅛	32	5/16	8	C	full range

ELEY EXTRA POWER CARTRIDGES FOR WILDFOWLING AND LONG RANGE SHOOTING

LARGE GAUGES

8 and 10 gauge cartridges are available. 8 gauge suitable for $3\frac{1}{4}$ in. chambers. 10 gauge in two lengths—$2\frac{7}{8}$ in. and $2\frac{5}{8}$ in.

MAGNUM

Magnum cartridges available in $2\frac{3}{4}$ in. and 3 in. lengths give 12 gauge users having suitable guns* an extra heavy shot charge—$1\frac{1}{2}$ oz. and $1\frac{5}{8}$ oz. respectively. Effective range is increased by several yards, depending of course, on the type of target and the shot size used.

* i.e. $2\frac{3}{4}$ in. cartridges in guns with $2\frac{3}{4}$ in. or 3 in. chambers proof-marked for a service pressure of at least $3\frac{1}{2}$ tons per square inch. European proof pressure—900 kg. per sq. cm.
3 in. cartridges in guns with 3 in. or longer chambers, proof-marked for a service pressure of at least 4 tons per square inch. European proof pressure—1000 kg. per sq. cm.

ALPHAMAX

The high power, high velocity, heavy load $2\frac{3}{4}$ in. cartridge for duck, geese, and long range shooting. Extra strong $\frac{5}{8}$ in. deep head. 12, 16 and 20 gauge.

HYMAX

The least expensive $2\frac{3}{4}$ in. heavy load long range cartridge. $\frac{5}{16}$ in. head. 12 and 16 gauge.

MAXIMUM

A really lively $2\frac{1}{2}$ in. cartridge that gives the sort of shooting you would expect from a $2\frac{3}{4}$ in. high velocity cartridge. A favourite with wildfowlers and pigeon shooters.

gauge	gun chamber length in.	mm.	brand name	shot load oz.	g.	head length in.	mm.	closure	shot sizes available
8	$3\frac{1}{4}$	80	Eight Gauge	2	57	$\frac{5}{8}$	16	R	BB, 1, 3, 4
10	$2\frac{7}{8}$	75	Ten Gauge	$1\frac{7}{16}$	41	$\frac{5}{8}$	16	R	BB, 1, 3, 4, 5, 6
10	$2\frac{5}{8}$	65	Ten Gauge	$1\frac{5}{16}$	37	$\frac{5}{8}$	16	R	BB, 1, 3, 4, 5, 6
12	3	75	Magnum	$1\frac{5}{8}$	46	$\frac{5}{8}$	16	R	BB, 1, 3, 5
12	$2\frac{3}{4}$	70	Magnum	$1\frac{1}{4}$	42.5	$\frac{5}{8}$	16	R	BB, 1, 3, 4, 5
12	$2\frac{3}{4}$	70	Alphamax	$1\frac{1}{4}$	35.5	$\frac{5}{8}$	16	C	BB, 1, 3, 4, 5, 6, 7, 8
16	$2\frac{3}{4}$	70	Alphamax	$1\frac{1}{8}$	32	$\frac{5}{8}$	16	C	BB, 4, 5, 6, 7
20	$2\frac{3}{4}$	70	Alphamax	1	28.5	$\frac{5}{8}$	16	C	4, 5, 6, 7
12	$2\frac{3}{4}$	70	Hymax	$1\frac{1}{4}$	35.5	$\frac{5}{16}$	8	C	BB, 1, 3, 4, 5, 6, 7
16	$2\frac{3}{4}$	70	Hymax	$1\frac{1}{8}$	32	$\frac{5}{16}$	8	C	BB, 1, 3, 4, 5, 6, 7
12	$2\frac{1}{2}$	65	Maximum	$1\frac{3}{16}$	34	$\frac{5}{16}$	8	C	BB, 1, 3, 4, 5, 6, 7
16	$2\frac{1}{2}$	65	Maximum	$1\frac{1}{16}$	30	$\frac{5}{16}$	8	C	4, 5, 6, 7

BUCKSHOT AND BALL LOADS
(ROLLED TURNOVER CLOSURE)

Gauge	Gun chamber length in	Gun chamber length mm	Brand	Shot size and number of pellets per load (shown in brackets)
12	$2\frac{3}{4}$	70	'Alphamax' Waterproof	LG(8), SG(12), Spec. SG(16), AAA(44)
16	$2\frac{3}{4}$	70	'Alphamax' Waterproof	SG(8), Spec. SG(12), AAA(40)
12	$2\frac{3}{4}$	70	'Hymax' Waterproof	LG(8), SG(12), AAA(44)
12	$2\frac{1}{2}$	65	'Grand Prix' Waterproof	LG(6), SG(9), Spec. SG(12), AAA(37)
12	$2\frac{1}{2}$	65	'Grand Prix' Waterproof	Spherical Ball
12	$2\frac{1}{2}$	65	'Grand Prix' Waterproof	Rifled Slug
16	$2\frac{1}{2}$	65	'Grand Prix' Waterproof	Spec. SG(9), SSG(12), AAA(33)
20	$2\frac{1}{2}$	65	'Twenty Gauge' Waterproof	SSG(12), AAA(27)
410	$2\frac{1}{2}$	65	'Fourlong'	AAA

Spherical Ball and Rifled Slug loads may be used in shotguns of all borings from cylinder to full choke. Better accuracy is obtained with the more open borings.

The only permitted sizes of Buckshot for shooting deer in England and Wales are SSG or larger.

Spherical Ball and Rifled Slug loads are subject to the conditions of the Firearms Act, 1968.

ELEY
.22 Rimfire Cartridges

A wide variety of cartridge brands is available for both target and sporting use. Each has been developed to suit specific purposes.

FOR TARGET SHOOTING

a) with the rifle:

'TENEX' **.22 Long Rifle**	The world's finest target ammunition. Used by the top 12 at the 1968 Olympics.
'MATCH' **.22 Long Rifle**	A very accurate and economically priced ammunition for match shooting up to 100 yards (metres).
'RIFLE CLUB' **.22 Long Rifle**	Reliable, accurate. A popular cartridge for general club use.

b) with the pistol:

'PISTOL MATCH' **.22 Long Rifle**	Specially designed for smooth, easy on the arm functioning. Low muzzle velocity with x-ring accuracy.
'PISTOL' **.22 Long Rifle**	A favourite for practice and ordinary club shooting.
'SHORT PISTOL MATCH' **.22 Short**	Specially designed for rapid fire silhouette shooting—low velocity, smooth, highly accurate.

ELEY
.22 Rimfire
Cartridges

FOR
SPORTING
SHOOTING

'HIGH VELOCITY' .22 Short	30% more power than standard velocity. Solid bullet or hollow point.
'HIGH VELOCITY' .22 Long Rifle	Ideal for small animals and vermin. Extra hitting power, extra range. Solid bullet for minimum damage to pelt. Hollow point for maximum stopping power.
SMOKELESS HOLLOW POINT .22 Long Rifle	First choice for rifles fitted with sound moderators. For use at ranges up to 100 yards (metres).
SHORT SOLID	Excellent or short-range shooting with minimum disturbance to other nearby targets. Standard velocity.
LONG RIFLE SHOT	For close-range shooting of small vermin in barns, cellars, etc. or in orchards where damage to trees must be avoided. Loaded with Dust shot. For use with single-shot weapons and repeaters, **not automatics**.

Miscellaneous

No. 3 (9mm.) LONG SHOT	Ideal for keeping down small birds and vermin in orchards etc. All metal case. Smokeless powder. No. 7 shot.

BALLISTICS OF ELEY .22 RIMFIRE TARGET CARTRIDGES (English units)

Rifle

Description	Bullet weight (grains)	Velocity (ft./sec.)			Energy (ft./lb.)			Mid range trajectory (inches)	
		Muzzle	50 yd.	100 yd.	Muzzle	50 yd.	100 yd.	50 yd.	100 yd.
.22 Long Rifle Tenex Match and Rifle Club	40	1085	1006	941	105	90	79	1.1	4.5

Pistol

Description	Bullet weight (grains)	Barrel length (inches)	Velocity (ft./sec.)			Energy (ft./lb.)				
			Muzzle	20 yd.	25 yd.	50 yd.	Muzzle	20 yd.	25 yd.	50 yd.
.22 Long Rifle Pistol Match	40	10	1000	973	—	935	89	84	—	78
.22 Long Rifle Pistol	40	10	1030	1000	—	960	98	89	—	82
.22 Short Pistol Match	29	6	750	—	712	—	36	—	33	—

BALLISTICS OF ELEY .22 RIMFIRE SPORTING CARTRIDGES (English units)

Description	Bullet weight (grains)	Velocity (ft./sec.)			Energy (ft./lb.)			Mid range trajectory (inches)	
		Muzzle	50 yd.	100 yd.	Muzzle	50 yd.	100 yd.	50 yd.	100 yd.
.22 Long Rifle High Velocity Solid	40	1375	1195	1075	168	126	103	0.7	3.1
.22 Long Rifle High Velocity Hollow	35	1375	1170	1045	147	106	84	0.7	3.2
.22 Long Rifle Standard Hollow	35	1050	965	895	86	73	62	1.1	4.7
.22 Short High Velocity Solid	29	1125	985	—	81	62	—	1.0	—
.22 Short High Velocity Hollow	27	1125	985	—	75	58	—	1.0	—
.22 Short Solid	29	950	855	—	58	47	—	1.3	—

BALLISTICS OF ELEY .22 RIMFIRE TARGET CARTRIDGES (Metric units)

Rifle

Description	Bullet weight (grams)	Velocity (m./sec.)			Energy (kg./m.)			Mid range trajectory (cm.)	
		Muzzle	50 m.	100 m.	Muzzle	50 m.	100 m.	50 m.	100 m.
.22 Long Rifle Tenex Match and Rifle Club	2.59	331	305	284	14.5	12.3	10.6	3.2	14.0

Pistol

Description	Bullet weight (grams)	Barrel length (cm.)	Velocity (m./sec.)			Energy (kg./m.)				
			Muzzle	20 m.	25 m.	50 m.	Muzzle	20 m.	25 m.	50 m.
.22 Long Rifle Pistol Match	2.59	25.4	305	296	—	284	12.3	11.6	—	10.7
.22 Long Rifle Pistol	2.59	25.4	314	304	—	291	13.0	12.2	—	11.2
.22 Short Pistol Match	1.88	15.2	229	—	216	—	5	—	4.5	—

BALLISTICS OF ELEY .22 RIMFIRE SPORTING CARTRIDGES (Metric units)

Description	Bullet weight (grams)	Velocity (m./sec.)			Energy (kg./m.)			Mid range trajectory (cm.)	
		Muzzle	50 m.	100 m.	Muzzle	50 m.	100 m.	50 m.	100 m.
.22 Long Rifle High Velocity Solid	2.59	419	360	323	23.3	17.2	13.8	1.8	9.4
.22 Long Rifle High Velocity Hollow	2.27	419	352	314	20.4	14.4	11.4	2.1	10.4
.22 Long Rifle Standard Hollow	2.27	320	293	270	11.9	10.0	8.5	3.2	14.8
.22 Short High Velocity Solid	1.88	343	297	—	11.3	8.5	—	3.1	—
.22 Short High Velocity Hollow	1.75	343	297	—	10.5	7.9	—	3.1	—
.22 Short Solid	1.88	290	259	—	8.1	6.4	—	3.7	—

NORMA Centre Fire Rifle Cartridges

As sole distributors in the U.K. for NORMA PROJEKTIL FABRIK AMOTFORS, SWEDEN, the renowned factory that probably makes the most accurate centre-fire cartridges commercially produced anywhere in the World, we can inform readers that our stocks of Norma cartridges embrace an altogether wider range than earlier.

Prices are higher than for cartridges made in the U.K., but we feel sure that the knowledgeable shooter will appreciate that it pays handsomely to use the best possible ammunition as results depend very largely on the efficiency of the cartridge used.

PARKER HALE LTD., BIRMINGHAM 11

BALLISTICS OF NORMA CENTRE-FIRE RIFLE CARTRIDGES

List No. 8840

Cartridge	Index no.	Bullet Weight grs.	Velocity, feet per sec.				Energy, foot pounds				Rise or Drop (see syphers below)		
			Muzzle	100 yds.	200 yds.	300 yds.	Muzzle	100 yds.	200 yds.	300 yds.	100 yds.	200 yds.	300 yds.
.220 Swift													
Soft point semi pointed	1	50	4110	3611	3133	2681	1877	1448	1090	799	+0.1	-0.9	-5.6
.22 Hornet													
Soft point semi pointed	251	45	2690	2030	1510	1150	720	410	230	130	+1.5	-4.3	—
22-250													
Soft point semi pointed	230	50	3800	3300	2810	2350	1600	1209	885	613	+0.3	-1.2	-7.3
Soft point semi pointed	231	55	3650	3200	2780	2400	1637	1251	944	704	+0.3	-1.3	-7.4
.222 Rem.													
Soft point semi pointed	3	50	3200	2650	2170	1750	1137	780	520	340	+0.7	-2.2	-12.5
Full jacket semi pointed	4	50	3200	2610	2080	1630	1137	756	480	295	+0.7	-2.3	-13.6
.243 Win.													
Hollow point	266	80	3500	3080	2720	2410	2041	1570	1179	873	+0.4	-1.5	-8.3
Soft point semi pointed	151	100	3070	2790	2540	2320	2090	1730	1430	1190	+0.6	-1.8	-9.4
6 mm. Rem.													
Soft point semi pointed	228	100	3190	2920	2660	2420	2260	1890	1570	1300	+0.5	-1.2	-8.7
6.5 x 54 MS													
S.P.S.P.B.T.	16	139	2575	2420	2270	2120	2056	1808	1591	1388	+1.0	-2.5	-11.8
Soft point round nose	17	156	2461	2240	2033	1840	2098	1738	1432	1173	+1.2	-3.1	-15.8
.270 Win.													
Soft point semi pointed	24	110	3250	2966	2694	2435	2578	2150	1773	1448	+1.2	ø	-6.0
Soft point semi pointed boattail	25	130	3140	2884	2639	2404	2847	2401	2011	1669	+1.3	ø	-6.4
Soft point semi pointed boattail	28	150	2800	2616	2436	2262	2616	2280	1977	1705	+1.8	ø	-7.7
*Full jacket pointed boattail	161	150	2800	2616	2436	2262	2616	2280	1977	1705	+1.8	ø	-7.7

BALLISTICS OF NORMA CENTRE-FIRE RIFLE CARTRIDGES (continued)

Cartridge	Index no.	Bullet Weight grs.	Velocity, feet per sec.				Energy, foot pounds				Rise or Drop (see syphers below)		
			Muzzle	100 yds.	200 yds.	300 yds.	Muzzle	100 yds.	200 yds.	300 yds.	100 yds.	200 yds.	300 yds.
7 x 57													
Soft point semi pointed	29	110	3067	2792	2528	2277	2300	1904	1561	1267	+0.6	-1.8	-9.7
Soft point semi pointed boattail	30	150	2756	2539	2331	2133	2530	2148	1810	1516	+0.8	-2.3	-11.8
*Soft point round nose	32	175	2490	2170	1900	1680	2410	1830	1400	1100	+1.3	-3.3	-17.2
7 mm. Rem. Magnum													
S.P.S.P.B.T.	240	150	3260	2970	2700	2450	3261	2970	2700	2450	+1.2	⌀	-6.0
.308 Win.													
Soft point semi pointed boattail	143	130	2900	2590	2300	2030	2428	1937	1527	1190	+0.8	-2.2	-11.8
Soft point semi pointed	38	150	2860	2570	2300	2050	2725	2200	1760	1400	+0.8	-2.2	-11.9
Soft point semi pointed boattail	39	180	2610	2400	2210	2020	2725	2303	1952	1631	+1.0	-2.6	-13.4
.30 U.S. Carbine													
Soft point round nose	35	110	1970 18" Barrel	1595	1300	1090	948	622	413	290	+2.7	-7.0	-37.5
30 - 30 Win.													
Soft point flat nose	37	170	2220	1890	1630	1410	1861	1349	1003	750	+1.4	-3.7	-19.6
.308 Norma Magnum													
Soft point "Dual Core"	179	180	3100	2881	2668	2464	3842	3318	2846	2427	+1.4	⌀	-6.2
.30 – 06													
Soft point semi pointed boattail	40	130	3280	2951	2636	2338	3108	2514	2006	1578	+1.2	⌀	-6.3
*Full jacket semi pointed boattail	42	130	3280	2951	2636	2338	3108	2514	2006	1578	+1.2	⌀	-6.3
Soft point semi pointed	43	150	2970	2680	2402	2141	2943	2393	1922	1527	+1.7	⌀	-7.8
Soft point semi pointed boattail	45	180	2700	2494	2296	2109	2914	2487	2107	1778	+2.0	⌀	-8.7
Soft point round nose	48	220	2410	2197	1996	1809	2840	2358	1947	1599	+1.2	-3.2	-16.5
*Full jacket round nose boattail	49	220	2410	2197	1996	1809	2840	2358	1947	1599	+1.2	-3.2	-16.5

* Available to special order
⌀ Indicates preferable sighting range with line of sights 1½" above centre of bore
+ Indicates point of impact in inches above sighting point
- Indicates point of impact in inches below sighting point

BALLISTICS OF NORMA CENTRE-FIRE CARTRIDGES (continued)

Cartridge	Index no.	Bullet Weight grs.	Velocity, feet per sec.				Energy, foot pounds				Rise or Drop (see syphers below)		
			Muzzle	100 yds.	200 yds.	300 yds.	Muzzle	100 yds.	200 yds.	300 yds.	100 yds.	200 yds.	300 yds.
.300 H & H													
*Soft point semi pointed boattail	50	180	2920	2706	2500	2297	3409	2927	2499	2109	+1.6	⌀	–7.2
*Hollow point boattail	51	180	2920	2706	2500	2297	3409	2927	2499	2109	+1.6	⌀	–7.2
*Soft point round nose	53	220	2620	2400	2170	1986	3367	2814	2301	1927	+2.3	⌀	–9.6
*Full jacket round nose boattail	54	220	2620	2400	2170	1986	3367	2814	2301	1927	+2.3	⌀	–9.6
303 British													
S.P.S.P.	55	130	2790	2483	2195	1929	2246	1780	1391	1075	+0.9	–2.5	–13.1
S.P.S.P.	147	150	2720	2440	2170	1930	2465	1983	1569	1241	+0.9	–2.6	–13.4
8 x 57 JR													
Soft point round nose	61	196	2362	2045	1761	1513	2428	1820	1530	996	+1.5	–3.9	–20.6
8 x 57 JS													
S.P.S.P.	63	123	2888	2515	2170	1857	2277	1728	1286	942	+0.8	–2.4	–13.1
8 x 57 J.													
S.P round nose	60	196	2526	2195	1894	1627	2778	2097	1562	1152			
375 H & H													
S.P.S.P.	84	270	2740	2459	2207	1987	4502	3629	2929	2375			
S.P.S.P.	85	300	2550	2280	2040	1830	4333	3464	2773	2231	+1.1	–3.0	–15.3

* Available to special order

\+ Indicates preferable sighting range with line of sights 1½" above centre of bore

⌀ Indicates point of impact in inches above sighting point

– Indicates point of impact in inches below sighting point

BALLISTICS OF NORMA PISTOL AND REVOLVER CARTRIDGES List No. 8841

	Index no.	Bullet Weight grs.	Velocity, feet per sec.	Energy, foot pounds	Barrel length
.30 Luger					
Full jacket	88	93	1230	312	4.7 inches
.32 ACF					
Full jacket	86	77	900	139	4 inches
.32 S & W					
Lead	265	85	680	87	3 inches
9 mm. Luger					
Armour piercing	211	104	1260	367	4.7 inches
9 mm. Luger					
Hollow point	173	115	1165	350	4.7 inches
Full jacket	91	116	1165	350	4.7 inches
.357 Magnum					
Full jacket	268	158	1450	735	8 3/8 inches
Soft point	272	158	1450	735	8 3/8 inches
Hollow point	273	158	1450	735	8 3/8 inches
.300 ACP					
Full jacket	260	95	955	190	3 3/4 inches
.38 Special					
Hollow point	274	110	1542	580	6 inches
Lead wadcutter	96	148	800	210	6 inches
Hollow point	269	158	900	285	6 inches
Full jacket	270	158	900	285	6 inches
Lead	271	158	870	266	6 inches
.38 S & W					
Lead	216	146	730	173	4 inches
.44 Magnum					
Hollow point	166	236	1675	1476	18.5 inches
Soft point	176	240	1675	1496	18.5 inches
.45 ACP					
Full jacket	261	230	850	370	5 inches
Hollow point	264	230	850	370	5 inches

BALLISTICS OF KYNOCH CENTRE-FIRE METALLIC RIFLE CARTRIDGES

Description	Bullet Weight (grains)	Velocity (ft./sec.)				Energy (ft. lb.)				Mid-range trajectory (in)		
		Muzzle	100 yd.	200 yd.	300 yd.	Muzzle	100 yd.	200 yd.	300 yd.	100 yd.	200 yd.	300 yd.
.22" Hornet												
m.c. soft nosed	45	2500	1870	1370	1075	625	350	190	115	0.9	4.9	16.5
.240" Belted Rimless Nitro Express												
m.c. soft nosed, pointed	100	2900	2530	2190	1875	1870	1425	1065	780	0.6	2.7	7.1
m.c. aluminium, pointed	100	2900	2665	2445	2235	1870	1580	1330	1110	0.5	2.5	5.9
6.5 mm (.256") Mannlicher (6.5×53R)												
m.c. solid	160	2350	2120	1905	1700	1960	1600	1290	1025	0.9	3.9	9.3
m.c. soft nosed	160	2350	2045	1765	1520	1960	1485	1105	820	0.9	4.4	10.5
6.5 mm (.256") Mannlicher Schonauer (6.5×53 and 6.5×54)												
m.c. solid	160	2300	2075	1860	1660	1880	1530	1230	980	0.9	4.0	10.3
m.c. soft nosed	160	2300	2000	1725	1480	1880	1420	1055	780	0.9	4.4	11.5
6.5 mm (.256") Mauser (6.5×58)												
m.c. solid	155	2400	2160	1935	1725	1980	1605	1290	1025	0.8	3.8	9.5
m.c. soft nosed	155	2400	2095	1805	1555	1980	1510	1120	830	0.9	4.0	10.7
.270" Winchester												
m.c. soft nosed	160	2800	2460	2170	1930	2780	2150	1670	1320	0.6	2.9	7.2
m.c. soft nosed	150	2800	2440	2130	1880	2610	1980	1510	1175	0.6	3.0	7.3
m.c. soft nosed, pointed	130	3140	2850	2580	2320	2840	2340	1920	1550	0.5	2.1	5.3
m.c. soft nosed, pointed	100	3480	3070	2690	2340	2690	2090	1600	1215	0.4	1.9	4.8
7 mm. Mauser (7×57)												
m.c. solid	173	2490	2260	2055	1875	2380	1960	1625	1350	0.8	3.6	9.0
m.c. soft nosed	173	2490	2170	1900	1680	2380	1810	1385	1085	0.8	3.8	9.9
m.c. solid, pointed	140	2900	2705	2515	2335	2610	2275	1965	1695	0.6	2.3	5.5
m.c. aluminium, pointed	140	2900	2705	2515	2335	2610	2275	1965	1695	0.6	2.3	5.5
.280" Rimless Nitro Express (Ross)												
m.c. solid, pointed	180	2550	2395	2250	2105	2600	2295	2025	1770	0.7	3.0	7.0
.30" Carbine M.1												
m.c. solid	110	1990	1575	1250	—	975	610	385	—	1.8	7.3	—
m.c. soft nosed	110	1990	1575	1250	—	975	610	385	—	1.8	7.3	—
.300" Sherwood												
metal based, lead, hollow nosed	140	1400	1195	1060	—	610	445	350	—	2.6	12.1	—
metal based, lead, copper tubed	140	1400	1195	1060	—	610	445	350	—	2.6	12.1	—
m.c. solid	140	1400	1195	1060	—	610	445	350	—	2.6	12.1	—
.300" H. & H. Magnum												
m.c. solid	220	2620	2370	2150	1940	3350	2740	2260	1840	0.7	3.1	7.7
m.c. soft nosed	220	2620	2360	2120	1875	3350	2720	2195	1720	0.7	3.2	8.0
m.c. soft nosed	180	2920	2670	2440	2220	3400	2850	2380	1970	0.6	2.4	6.1
m.c. semi pointed, soft nosed	150	3200	2845	2520	2215	3410	2695	2115	1635	0.5	2.2	6.0

BALLISTICS OF KYNOCH CENTRE-FIRE METALLIC RIFLE CARTRIDGES (continued)

Description	Bullet Weight (grains)	Velocity (ft./sec.)				Energy (ft. lb.)				Mid-range trajectory (in)		
		Muzzle	100 yd.	200 yd.	300 yd.	Muzzle	100 yd.	200 yd.	300 yd.	100 yd.	200 yd.	300 yd.
.30"–'06 Springfield Rifle (7.62×63)												
m.c. solid	220	2410	2145	1895	1670	2830	2250	1755	1360	0.8	3.9	9.8
m.c. soft nosed	220	2410	2130	1870	1635	2830	2215	1710	1305	0.8	4.0	10.0
m.c. soft nosed, pointed	180	2700	2470	2250	2040	2910	2440	2020	1660	0.7	2.9	7.1
m.c. solid, pointed	150	2970	2710	2470	2240	2930	2440	2030	1670	0.5	2.4	6.1
m.c. soft nosed, pointed	150	2970	2670	2400	2130	2930	2370	1920	1510	0.6	2.5	6.5
.30"–30 Winchester (7.62×51R)												
m.c. soft nosed	170	2220	1890	1630	1410	1860	1350	1000	750	1.1	4.8	12.5
m.c. soft nosed	150	2410	2020	1710	1455	1930	1360	973	705	0.7	4.2	11.4
.303" British												
m.c. solid	215	2180	1970	1785	1620	2270	1850	1520	1250	1.1	4.8	11.9
m.c. soft nosed	215	2180	1900	1660	1460	2270	1720	1310	1020	1.1	5.2	13.3
m.c. solid, pointed	174	2450	2250	2055	1870	2320	1960	1630	1350	0.7	3.5	8.1
m.c. soft nosed, pointed	174	2450	2195	1955	1730	2320	1860	1475	1155	0.8	3.6	9.0
.308 Winchester												
m.c. soft nosed, pointed	180	2610	2390	2170	1970	2720	2280	1870	1540	0.7	3.1	7.6
m.c. soft nosed, pointed	150	2860	2570	2300	2050	2730	2200	1760	1400	0.6	2.7	6.9
m.c. soft nosed, pointed	110	3340	2810	2340	1920	2730	1930	1340	900	0.5	2.2	6.2
7.9 mm. (.311") Mauser (8×57J or 8×57JS)												
m.c. solid	227	2100	1845	1610	1405	2220	1715	1305	995	1.2	5.2	13.4
m.c. soft nosed	227	2100	1805	1545	1320	2220	1640	1200	875	1.2	5.4	14.4
m.c. solid, pointed	154	2900	2665	2445	2235	2880	2430	2040	1710	0.6	2.3	5.9
m.c. soft nosed, pointed	154	2900	2640	2395	2165	2880	2385	1960	1605	0.6	2.6	6.2
8 mm. (.315") Mannlicher (8×50R)												
m.c. solid	244	2100	1825	1580	1360	2390	1805	1350	1000	1.1	5.2	13.7
m.c. soft nosed	244	2100	1695	1430	1275	2390	1555	1110	880	1.2	5.6	15.0
m.c. split nosed	244	2100	1695	1430	1275	2390	1555	1110	880	1.2	5.6	15.0
8 mm. (.315") Mannlicher Schönauer (8×56)												
m.c. solid	200	2200	1885	1605	1360	2150	1575	1145	820	1.1	5.0	13.0
m.c. soft nosed	200	2200	1830	1505	1250	2150	1485	1005	695	1.1	5.2	14.7
.318" Rimless Nitro Express												
m.c. solid	250	2400	2155	1920	1705	3200	2580	2045	1615	0.8	3.8	9.4
m.c. soft nosed	250	2400	2090	1810	1555	3200	2425	1820	1340	0.9	4.0	10.7
.32"–20 Winchester												
m.c. soft nosed	115	1400	1115	975	—	500	315	245	—	2.9	14.0	—
.32"–40 Winchester												
m.c. soft nosed	165	1650	1315	1100	985	1000	635	445	355	2.1	10.0	27.0
.35" Winchester												
m.c. soft nosed	250	2200	1860	1555	1305	2690	1920	1340	945	1.0	5.0	14.0
.351" Winchester Self loading												
m.c. soft nosed	180	1850	1475	1195	1040	1370	870	570	430	1.6	8.6	23.7

EXTERIOR BALLISTIC DATA OF KYNOCH CENTRE-FIRE METALLIC RIFLE AMMUNITION (continued)

Description	Bullet Weight (grains)	Velocity (ft./sec.)				Energy (ft. lb.)				Mid-range trajectory (in.)		
		Muzzle	100 yd.	200 yd.	300 yd.	Muzzle	100 yd.	200 yd.	300 yd.	100 yd.	200 yd.	300yd.
9 mm. Mannlicher Schonauer (9×56)												
m.c. solid	245	2100	1805	1540	1320	2400	1770	1290	945	1.2	5.4	14.1
9 mm. Mauser (9×57)												
m.c. solid	245	2150	1850	1535	1340	2515	1860	1365	975	1.1	5.1	13.1
m.c. soft nosed	245	2150	1850	1535	1340	2515	1860	1365	975	1.1	5.1	13.1
9.3 mm. Mauser (9.3×62)												
m.c. solid	285	2300	2010	1745	1505	3345	2555	1930	1435	0.9	4.4	11.3
m.c. soft nosed	285	2300	1995	1715	1470	3345	2520	1860	1370	0.9	4.4	11.7
9.5 mm. Mannlicher Schonauer (9.5×57)												
m.c. solid	270	2150	1850	1585	1355	2770	2050	1505	1100	1.2	5.4	14.4
m.c. soft nosed	270	2150	1815	1515	1275	2770	1975	1375	975	1.1	5.3	13.9
.375" Flanged Magnum Nitro Express												
m.c. solid	300	2400	2120	1865	1630	3835	2990	2315	1770	0.9	3.9	10.1
m.c. soft nosed	300	2400	2105	1825	1580	3835	2950	2220	1660	0.9	4.0	10.2
m.c. soft nosed, pointed	270	2600	2320	2085	1870	4050	3200	2605	2095	0.7	3.2	8.0
.375" H & H Magnum Rimless												
m.c. solid	300	2550	2260	1995	1760	4330	3400	2650	2060	0.8	3.6	8.9
m.c. soft nosed	300	2550	2235	1955	1720	4330	3330	2545	1970	0.8	3.7	8.9
m.c. soft nosed, pointed	270	2740	2460	2210	1990	4500	3620	2920	2370	0.7	2.9	7.5
.450/.400" Nitro Express 3"												
m.c. solid	400	2100	1880	1675	1490	3915	3140	2490	1970	1.1	5.1	12.9
m.c. soft nosed	400	2100	1845	1610	1405	3915	3020	2300	1750	1.2	5.2	13.3
.450/.400" Magnum Nitro Express 3¼"												
m.c. solid	400	2150	1925	1715	1530	4105	3290	2610	2080	1.0	4.8	11.9
m.c. soft nosed	400	2150	1890	1650	1440	4105	3170	2420	1840	1.1	4.9	12.3
.401" Winchester Self-loading												
m.c. soft nosed	200	2100	1575	1200	1010	1960	1100	640	455	1.3	7.2	21.5
.404" Rimless Nitro Express (10.75×73)												
m.c. solid	400	2250	2010	1790	1620	4495	3585	2845	2275	1.1	4.6	11.4
m.c. soft nosed	400	2250	1990	1765	1560	4495	3515	2770	2160	1.1	4.6	12.0
10.75 mm. Mauser (10.75×68)												
m.c. solid	347	2200	1925	1680	1455	3730	2850	2175	1630	1.1	4.6	12.2
m.c. soft nosed	347	2200	1925	1680	1455	3730	2850	2175	1630	1.1	4.6	12.2
.44"–.40 Winchester												
m.c. solid	200	1300	1050	920	—	750	490	375	—	3.3	15.8	—
m.c. soft nosed	200	1300	1050	920	—	750	490	375	—	3.3	15.8	—
.450" Nitro-Express 3½"												
m.c. solid	480	2150	1900	1665	1460	4930	3845	2955	2270	1.1	4.9	11.9
m.c. soft nosed	480	2150	1870	1620	1395	4930	3725	2795	2070	1.2	5.3	13.8

EXTERIOR BALLISTIC DATA OF KYNOCH CENTRE-FIRE METALLIC RIFLE AMMUNITION (continued)

Description	Bullet Weight (grains)	Velocity (ft./sec.)				Energy (ft. lb.)				Mid-range trajectory (in.)		
		Muzzle	100 yd.	200 yd.	300 yd.	Muzzle	100 yd.	200 yd.	300 yd.	100 yd.	200 yd.	300 yd.
.577/.450" Solid Martini Henry												
lead solid	480	1350	1210	1110	—	1940	1560	1315	—	2.5	12	—
.500/.465" Nitro Express												
m.c. solid	480	2150	1900	1665	1460	4930	3845	2955	2270	1.1	4.9	11.9
m.c. soft nosed	480	2150	1880	1635	1420	4930	3765	2850	2145	1.2	5.2	13.6
.470" Nitro Express												
m.c. solid	500	2150	1890	1650	1440	5130	3965	3025	2300	1.1	4.9	12.3
m.c. soft nosed	500	2150	1890	1650	1440	5130	3965	3025	2300	1.1	4.9	12.3
.475" No. 2 Nitro Express												
m.c. solid	480	2200	1925	1680	1455	5160	3950	3010	2255	1.1	4.6	12.3
.500" Nitro Express 3"												
m.c. solid	570	2150	1890	1650	1440	5850	4520	3445	2620	1.1	4.9	12.3
m.c. soft nosed	570	2150	1850	1585	1355	5850	4330	3160	2320	1.2	5.4	14.4
.577" Nitro Express 3"												
m.c. solid	750	2050	1795	1570	1370	7000	5365	4100	3125	1.2	5.5	13.3

BALLISTICS OF KYNOCH CENTRE-FIRE PISTOL AND REVOLVER CARTRIDGES

Description	Bullet Weight (grains)	Type	Barrel length in.	Velocity (ft./sec.)		Energy (ft. lb.)	
				Muzzle	50 yd.	Muzzle	50 yd.
6.35 mm. (.25") Auto Pistol	50	m.c. solid	2¼	750	690	63	53
.30" Mauser Auto Pistol	85	m.c. solid	5½	1400	1170	370	260
7.65 mm. (.32") Auto Pistol or .30" Browning Pistol	77	m.c. solid	4⅛	925	850	135	115
7.65 mm. Parabellum Auto Pistol (Luger)	92	m.c. solid		1200	1070	295	235
.32" Smith and Wesson Revolver	85	lead solid	4	600	555	68	58
.32" Smith and Wesson Long Revolver	98	lead solid	4	700	655	105	93
9 mm. Parabellum Auto Pistol (Luger)	115	m.c. solid	4	1100	1010	310	260
.38" Smith and Wesson Revolver	145	lead solid		625	585	125	110
.38" Special	158	lead solid	6	875	830	270	240
.38" Special Wadcutter	146	wadcutter	6	770	660	190	140
.380" (9 mm) Short Auto Hammerless Pistol	95	m.c. solid	3¾	850	770	150	125
.38" Auto Pistol	130	m.c. solid	5	1100	995	350	285
.45" Colt Auto Pistol (U.S.A. Govt.)	230	m.c. solid	5	800	755	325	290
.455" Revolver	265	lead solid		600	570	210	190

EXTERIOR BALLISTIC DATA OF WESTERN-WINCHESTER CENTRE-FIRE METALLIC RIFLE AMMUNITION

Description	Bullet Weight (grains)	Velocity (f/sec.)				Energy (ft. lb.)				Mid-Range Trajectory		
		Muzzle	100 yd.	200 yd.	300 yd.	Muzzle	100 yd.	200 yd.	300 yd.	50 yd.	200 yd.	300 yd.
.218 Bee Super-X and Super Speed												
Hollow point, open point expanding	46	2860	2160	1610	1200	835	475	265	145	0.7	3.8	11.5
.22 Hornet Super-X and Super Speed												
Soft point	45	2690	2030	1510	1150	720	410	230	130	0.8	4.3	13.0
Hollow point, open point expanding	46	2690	2030	1510	1150	740	420	235	135	0.8	4.3	13.0
.220 Swift Super-X and Super Speed												
Pointed soft point	48	4110	3490	2930	2440	1800	1300	915	635	0.3	1.4	3.8
.222 Remington Super-X and Super Speed												
Pointed soft point	50	3200	2660	2170	1750	1140	785	520	340	0.5	2.5	7.0
.243 Winchester Super-X and Super Speed												
Pointed soft point	80	3500	3080	2720	2410	2180	1690	1320	1030	0.4	1.8	4.7
Power point (soft point)	100	3070	2790	2540	2320	2090	1730	1430	1190	0.5	2.2	5.5
.25-20 Winchester												
Lubaloy Coated or Lead	86	1460	1180	1030	940	405	265	200	170	2.6	12.5	32.0
Soft point	86	1460	1180	1030	940	405	265	200	170	2.6	12.5	32.0
.25-20 Winchester H.V. Super-X												
Open point expanding	†60	2250	1660	1240	1030	675	365	205	140	1.2	6.3	21.0
.25-35 Winchester Super-X and Super Speed												
Soft point	117	2300	1910	1600	1340	1370	945	665	465	1.0	4.6	12.5
250 Savage Super-X and Super Speed												
Pointed soft point	87	3030	2660	2330	2060	1770	1370	1050	820	0.6	2.5	6.4
Silvertip Expanding	100	2820	2460	2140	1870	1760	1340	1020	775	0.6	2.9	7.4
257 Roberts Super-X and Super Speed												
Pointed soft point	87	3200	2840	2500	2190	1980	1560	1210	925	0.5	2.2	5.7
Silvertip Expanding	100	2900	2540	2210	1920	1870	1430	1080	820	0.6	2.7	7.0
Power point (soft point)	†117	2650	2280	1950	1690	1820	1350	985	740	0.7	3.4	8.8
.264 Winchester Magnum Super-X and Super Speed												
Pointed soft point	100	3700	3260	2880	2550	3040	2360	1840	1440	0.4	1.6	4.2
Power point (soft point)	140	3200	2940	2700	2480	3180	2690	2270	1910	0.5	2.0	4.9
.270 Winchester Super-X and Super Speed												
Pointed soft point	100	3480	3070	2690	2340	2690	2090	1600	1215	0.4	1.8	4.8
Silvertip Expanding	130	3140	2850	2580	2320	2840	2340	1920	1550	0.5	2.1	5.3
Power point (soft point)	150	2900	2620	2380	2160	2800	2290	1890	1550	0.6	2.5	6.3
7 mm. Mauser (7 x 57) Super-X and Super Speed												
Soft point	175	2490	2170	1900	1680	2410	1830	1400	1100	0.8	3.7	9.5

*Furnished in Winchester Brand only
†Furnished in Western Brand only

‡ Zero = 200 yds. Column headings for this cartridge should read as 100 yds., 300 yds. and 400 yds.

EXTERIOR BALLISTIC DATA OF WESTERN-WINCHESTER CENTRE-FIRE METALLIC RIFLE AMMUNITION (continued)

Description	Bullet Weight (grains)	Velocity (ft/sec.)				Energy (ft. lb.)				Mid-Range Trajectory		
		Muzzle	100 yd.	200 yd.	300 yd.	Muzzle	100 yd.	200 yd.	300 yd.	100 yd.	200 yd.	300 yd.
30–30 Winchester Super-X and Super Speed												
Hollow point, open point expanding	150	2410	2020	1700	1430	1930	1360	960	680	0.9	4.2	11.0
Power point (soft point)	150	2410	2020	1700	1430	1930	1360	960	680	0.9	4.2	11.0
Silvertip Expanding	150	2410	2020	1700	1430	1930	1360	960	680	0.9	4.2	11.0
Power point (soft point)	170	2220	1890	1630	1410	1860	1350	1000	750	1.2	4.6	12.5
Silvertip Expanding	170	2220	1890	1630	1410	1860	1350	1000	750	1.2	4.6	12.5
Full Metal Case	170	2220	1890	1630	1410	1860	1350	1000	750	1.2	4.6	12.5
.30 Remington Super-X and Super Speed												
Silvertip Expanding	170	2120	1820	1560	1350	1700	1250	920	690	1.1	5.3	14.0
.30–06 Springfield Super-X and Super Speed												
Pointed soft point	110	3370	2830	2350	1920	2770	1960	1350	900	0.5	2.2	6.0
Power point (soft point)	150	2970	2620	2300	2010	2930	2280	1760	1340	0.6	2.5	6.5
Silvertip Expanding	150	2970	2670	2400	2130	2930	2370	1920	1510	0.6	2.4	6.1
Power point (soft point)	180	2700	2330	2010	1740	2910	2170	1610	1210	0.7	3.1	8.3
Silvertip Expanding	180	2700	2470	2250	2040	2910	2440	2020	1660	0.7	2.9	7.0
Full Metal Case Boat Tail } .30–06 Springfield Super-X	†180	2700	2520	2350	2190	2910	2540	2200	1900	0.6	2.8	6.7
Power point (soft point) } .30–06 Springfield Super-X	†220	2410	2120	1870	1670	2830	2190	1710	1360	0.8	3.9	9.8
Silvertip Expanding	220	2410	2180	1980	1790	2830	2320	1910	1560	0.8	3.7	9.2
.30–40 Krag Super-X												
Power point (soft point)	†180	2470	2120	1830	1590	2440	1790	1340	1010	0.8	3.8	9.9
Silvertip Expanding	†180	2470	2250	2040	1850	2440	2020	1660	1370	0.8	3.5	8.5
Silvertip Expanding	†220	2200	1990	1800	1630	2360	1930	1580	1300	1.0	4.4	11.0
.300 H & H Magnum Super-X and Super Speed												
Silvertip Expanding	150	3190	2870	2580	2300	3390	2740	2220	1760	0.5	2.1	5.2
Silvertip Expanding	180	2920	2670	2440	2220	3400	2850	2380	1970	0.6	2.4	5.8
Silvertip Expanding	220	2620	2370	2150	1940	3350	2740	2260	1840	0.7	3.1	7.7
.300 Savage Super-X and Super Speed												
Power point (soft point)	150	2670	2350	2060	1800	2370	1840	1410	1080	0.7	3.2	8.0
Silvertip Expanding	150	2670	2390	2130	1890	2370	1900	1510	1190	0.7	3.0	7.6
Power point (soft point)	180	2370	2040	1760	1520	2240	1660	1240	920	0.9	4.1	10.5
Silvertip Expanding	180	2370	2160	1960	1770	2240	1860	1530	1250	0.9	3.7	9.2
.303 Savage Super-X and Super Speed												
Silvertip Expanding	190	1980	1680	1440	1250	1650	1190	875	660	1.3	6.2	15.5
.303 British Super Speed												
Power point (soft point)	*180	2540	2300	2090	1900	2580	2120	1750	1440	0.7	3.3	8.2
.308 Winchester Super-X and Super Speed												
Pointed soft point	110	3340	2810	2340	1920	2730	1930	1340	900	0.5	2.2	6.0
Power point (soft point)	150	2860	2520	2210	1930	2730	2120	1630	1240	0.6	2.7	7.0
Silvertip Expanding	150	2860	2570	2300	2050	2730	2200	1760	1400	0.6	2.6	6.5
Power point (soft point)	180	2610	2250	1940	1680	2720	2020	1500	1130	0.7	3.4	8.9
Silvertip Expanding	180	2610	2390	2170	1970	2720	2280	1870	1540	0.8	3.1	7.4
Silvertip Expanding	200	2450	2210	1980	1770	2670	2170	1750	1400	0.8	3.6	9.0
.32 Winchester Special Super-X and Super Speed												
Power point (soft point)	170	2280	1870	1560	1330	1960	1320	920	665	1.0	4.8	13.0
Silvertip Expanding	170	2280	1870	1560	1330	1960	1320	920	665	1.0	4.8	13.0
.32 Remington Super-X and Super Speed												
Silvertip Expanding	170	2120	1760	1460	1220	1700	1170	805	560	1.1	5.3	14.5

EXTERIOR BALLISTIC DATA OF WESTERN-WINCHESTER CENTRE-FIRE METALLIC RIFLE AMMUNITION (continued)

Description	Bullet Weight (grains)	Velocity (ft./sec.)				Energy (ft. lb.)				mid-range Trajectory		
		Muzzle	100 yd.	200 yd.	300 yd.	Muzzle	100 yd.	200 yd.	300 yd.	50 yd.	200 yd.	300 yd.
.32–20 Winchester (Oilproof)												
Lubaloy coated or lead	100	1290	1060	940	840	370	250	195	155	3.3	15.5	38.0
Soft point	100	1290	1060	940	840	370	250	195	155	3.3	15.5	38.0
.32–20 Winchester H.V. Super-X												
(open point expanding)	†80	2100	1430	1090	950	780	365	210	160	1.5	8.5	24.5
.32–40 Winchester												
Soft point	165	1440	1250	1100	1030	760	570	445	375	2.4	11.0	28.0
8 mm. Mauser (8 x 57; 7.9) Super Speed												
Power point (soft point)	*170	2570	2140	1790	1520	2490	1730	1210	870	0.8	3.9	10.5
.338 Winchester Magnum Super-X and Super Speed												
Power point (soft point)	200	3000	2690	2410	2170	4000	3210	2580	2090	‡0.5	2.4	6.0
Silvertip Expanding	250	2700	2430	2180	1940	4050	3280	2640	2090	‡0.7	3.0	7.4
.348 Winchester Super Speed												
Silvertip Expanding	*200	2530	2220	1940	1680	2840	2190	1670	1250	0.7	3.6	9.0
35 Remington Super-X and Super Speed												
Power point (soft point)	200	2100	1710	1390	1160	1950	1300	860	605	1.2	6.0	16.5
Silvertip Expanding	200	2100	1710	1390	1160	1950	1300	860	605	1.2	6.0	16.5
.351 Winchester Self-loading (Oilproof)												
Soft point	180	1850	1560	1310	1140	1370	975	685	520	1.5	7.8	21.5
Full Metal Case	*180	1850	1560	1310	1140	1370	975	685	520	1.5	7.8	21.5
.358 Winchester Super-X and Super Speed												
Silvertip Expanding	200	2530	2210	1910	1640	2840	2160	1610	1190	0.8	3.6	9.4
Silvertip Expanding	250	2250	2010	1780	1570	2810	2230	1760	1370	1.0	4.4	11.0
.375 H & H Magnum Super-X and Super Speed												
Power point (soft point)	270	2740	2460	2210	1990	4500	3620	2920	2370	0.7	2.9	7.1
Silvertip Expanding	300	2550	2280	2040	1830	4330	3460	2770	2230	0.7	3.3	8.3
Full Metal Case	*300	2550	2180	1860	1590	4330	3160	2300	1680	0.7	3.6	9.3
.38–40 Winchester (Oilproof)												
Soft point	180	1330	1070	960	850	705	455	370	290	3.2	15.0	36.5
.38–55 Winchester												
Soft point	*255	1320	1160	1050	1000	985	760	625	565	2.9	13.0	32.0
.44–40 Winchester (Oilproof)												
Soft point	200	1310	1050	940	830	760	490	390	305	3.3	15.0	36.5
.45–70 Government												
Soft point	*405	1320	1160	1050	990	1570	1210	990	880	2.9	13.0	32.5
.458 Winchester Magnum Super Speed												
Full Metal Case	*500	2130	1910	1700	1520	5040	4050	3210	2570	1.1	4.8	12.0
Soft point	*510	2130	1840	1600	1400	5140	3830	2900	2220	1.1	5.1	13.5

*Furnished in Winchester Brand only
†Furnished in Western Brand only

‡ Zero = 200 yds. Column headings for this cartridge should read as 100 yds., 300 yds. and 400 yds.

EXTERIOR BALLISTIC DATA OF WESTERN-WINCHESTER CENTRE-FIRE PISTOL AND REVOLVER AMMUNITION

	Barrel Length	Muzzle Velocity (ft. per sec.)	Muzzle Energy (ft. lbs.)
25 Automatic 50 gr. F.M.C. (oilproof)	2″	810	73
†.30 Mauser (7.63 mm.) 86 gr. F.M.C. (oilproof)	5½″	1410	375
.30 Luger (7.65 mm.) 93 gr. F.M.C. (oilproof)	4½″	1220	305
.32 Automatic 71 gr. F.M.C. (oilproof)	4″	960	145
.32 Smith & Wesson 85 gr. Lubaloy Coated or Lead (oilproof) Ins. Lub.	3″	680	90
.32 Smith & Wesson Long 98 gr. Lubaloy Coated or Lead (oilproof) Ins. Lub.	4″	705	115
***.32 Short Colt** 80 gr. Lubaloy Coated (oilproof) Lub.	4″	745	100
***.32 Long Colt** 82 gr. Lubaloy Coated (oilproof) Ins. Lub.	4″	755	100
†.32 Colt New Police 98 gr. Lead (oilproof) Ins. Lub.	4″	680	100
.32–20 Winchester 100 gr. Lubaloy Coated or Lead (oilproof) Ins. Lub.	6″	1030	271
***.357 Magnum Super-X** 158 gr. Lubaloy Coated (oilproof) Ins. Lub.	8⅜″	1410	695
***.357 Magnum Super-X** 158 gr. Met. Piercing (oilproof) Ins. Lub. lead bearing	8⅜″	1410	695
†.9 mm. Luger (Parabellum) 115 fgr. F.M.C. (oilproof)	4″	1140	330
.38 Smith & Wesson 145 gr. Lubaloy Coated or Lead (oilproof) Ins. Lub.	4″	685	150
.38 Special 158 gr. Lubaloy Coated or Lead (oilproof) Ins. Lub.	6″	855	255
.38 Special 158 gr. Met. Pt. (oilproof) Ins. Lub. lead bearing	6″	855	255
.38 Special Super Police 200 gr. Lubaloy Coated or Lead (oilproof) Ins. Lub.	6″	730	235
***.38 Special Super-X** 150 gr. Lubaloy Coated (oilproof) Ins. Lub.	6″	1060	375
***.38 Special Super-X** 150 gr. Met. Piercing (oilproof) Ins. Lub. lead bearing	6″	1060	375
.38 Special Super Match and Match Mid-Range 148 gr. Lead (oilproof) Ins. Lub. Cl. Cut.	6″	770	195
***.38 Special Super Match** 158 gr. Lead (oilproof) Ins. Lub.	6″	1090	415
***.38 Short Colt** 130 gr. Lubaloy Coated (oilproof) Ins. Lub.	6″	730	150
***.38 Long Colt** 150 gr. Lubaloy Coated Ins. Lub.	6″	730	175
†.38 Colt New Police 150 gr. Lead (oilproof) Ins. Lub.	4″	680	155
.38 Automatic Super-X and Super Speed 130 gr. F.M.C. (For use only in .38 Colt Super and Colt Commander Automatic Pistols)	5″	1230	475
.38 Automatic 130 gr. F.M.C. (oilproof) (For all 38 Automatic Pistols)	4½″	1040	310
.380 Automatic 95 gr. F.M.C. (oilproof)	3¾″	955	190
.38–40 Winchester 180 gr. S.P. (oilproof)	5″	975	380
***.41 Long Colt** 200 gr. lubaloy Coated (oilproof) Ins. Lub.	6″	730	230
†.44 Smith & Wesson Special 246 gr. Lead (oilproof) Ins. Lub.	6½″	755	310
***.44 Magnum Super-X** 240 gr. Lubaloy Coated	6½″	1470	1150
.44–40 Winchester 200 gr. S.P. (oilproof)	7½″	975	422
.45 Colt 255 gr. Lubaloy Coated or Lead (oilproof) Ins. Lub.	5½″	860	410
.45 Automatic 230 gr. F.M.C. (oilproof)	5″	850	370
***.45 Automatic Super Match** 185 gr. F.M.C. Cl. Cut.	5″	775	245
***.45 Automatic Super Match** 210 gr. Lead (oilproof) Cl. Cut.	5″	710	235

Blanks are available in the following Rim Fire and Centre Fire Cartridges:

.22 Short, Blank, (Black Powder)
.32 S. & W., No Bullet, Smokeless
.32 S. & W., No Bullet, (Black Powder)
.30–06 Springfield, Paper Bullet, Smokeless
.38 S. & W., No Bullet, Smokeless
.38 Special, No Bullet, Smokeless

*Furnished in Winchester Brand only
†Furnished in Western Brand only
Cl. Cut.—Clean Cutting

Abbreviations: **FMC**—Full Metal Case
SP—Soft Point
Met. Pt.—Metal Point
Ins. Lub.—Inside Lubricated

BALLISTIC DATA OF .22" WESTERN WINCHESTER RIMFIRE RIFLE AMMUNITION

	Bullet Weight (grains)	Velocity (ft. per sec.) Muzzle	Velocity (ft. per sec.) 100 yds.	Energy (ft. lbs.) Muzzle	Energy (ft. lbs.) 100 yds.	Mid-Range Trajectory in inches 100 yds.
22 Short (H.V.)						
Super-X Lubaloy or Super Speed Kopperklad	*29	1125	920	81	54	4.3
22 Short (S.V.)						
Xpert or Leader Lead	†29	1045	—	70	—	5.6
22 Short Hollow Point (H.V.)						
Super-X Lubaloy or Super Speed Kopperklad	*27	1155	920	80	51	4.2
22 Short Gallery (Disintegrating)						
Western Kant-Splash —Winchester Spatterpruf	†29	1045	—	70	—	—
Western Super Kant-Splash —Winchester Super Spatterpruf	†15	1710	—	97	—	—
22 Long (H.V.)						
Super-X Lubaloy or Super Speed Kopperklad	*29	1240	965	99	60	3.8
22 Long Rifle (H.V.)						
Super-X Lubaloy or Super Speed Kopperklad	*40	1335	1045	158	97	3.3
22 Long Rifle (S.V.)						
Xpert or Leader Lead	†40	1145	975	116	84	4.0
22 Long Rifle Hollow Point (H.V.)						
Super-X Lubaloy or Super Speed Kopperklad	*37	1365	1040	149	86	3.3

	Bullet Weight (grains)	Velocity (ft. per sec.) Muzzle	Velocity (ft. per sec.) 100 yds.	Energy (ft. lbs.) Muzzle	Energy (ft. lbs.) 100 yds.	Mid-range Trajectory in inches 100 yds.
22 Long Rifle Shot	No. 12					
Super-X or Super Speed	Shot	—	—	—	—	—
22 Long Rifle Pistol Match						
Lead. Super-Match Mark IV Ezxs Pistol	40	1060	—	100	—	—
22 Long Rifle Super-Match						
Lead. Super-Match Mark III	40	1120	950	111	80	4.2
Ezxs Improved Low Velocity	40	1120	950	111	80	4.2
22 W.R.F. (Rem. Spec.) (H.V.)						
Super-X Lubaloy or Super Speed Kopperklad Ins. Lub.		1450	1110	210	123	2.7
22 Winchester Magnum Rim Fire (H.V.)						
Super-X or Super Speed Lubaloy Jacketed H.P.	40	2000	1390	355	170	1.6
Full Metal Case	40	2000	1390	355	170	1.6
22 Winchester Automatic (S.V.)						
Western Lubaloy or Winchester Kopperklad Ins. Lub.	45	1055	930	111	86	4.6

*Wax Coated †Lubricated

Abbreviations: H.V.— High Velocity S.V.—Standard Velocity

BLANK CARTRIDGES

Rim Fire Cartridges recommended for

SPORTS STARTING PISTOLS

Webley No. 1 .22" cal. rim fire blank cartridges.

N.B.—Please specify type when ordering. Can be sent only by rail and within U.K.

AIR RIFLE PELLETS

We illustrate on the left hand the No. 1 (.177 cal.) Pellet, and on the right the No. 2 (.220 cal.) Pellet which are expressly designed for Air Rifle Barrels. The front edge fits the bore, the rear edge being larger is forced into the grooves cut by the rifling tool. The result of the spin thus imparted to the pellet causes it to strike its object point foremost with deadly accuracy.

Owing to fluctuations in the market price of lead, the prices charged by various makers for their air rifle pellets are likely to vary from time to time. In accordance with our Terms of Business, the prices we charge will be those ruling on the day of despatch.

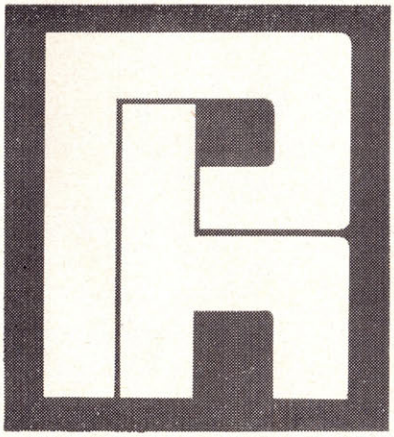
We list hereunder different makes of waisted pellets similar to the above illustrations for use in rifled air weapons.

List No.					
8880A	(*PEL 4*)	Webley	.177" cal.	in tin boxes of	500
8880B	(*PEL 6*)	Webley	.22" cal.	in tin boxes of	500
8881A	(*PEL 12*)	" Pylarm "	.177" cal.	in tin boxes of	500
8881B	(*PEL 14*)	" Pylarm "	.22" cal.	in tin boxes of	500
8882A	(*PEL 16*)	Wasp	.177" cal.	in tin boxes of	500
8882B	(*PEL 18*)	Wasp	.22" cal.	in tin boxes of	500

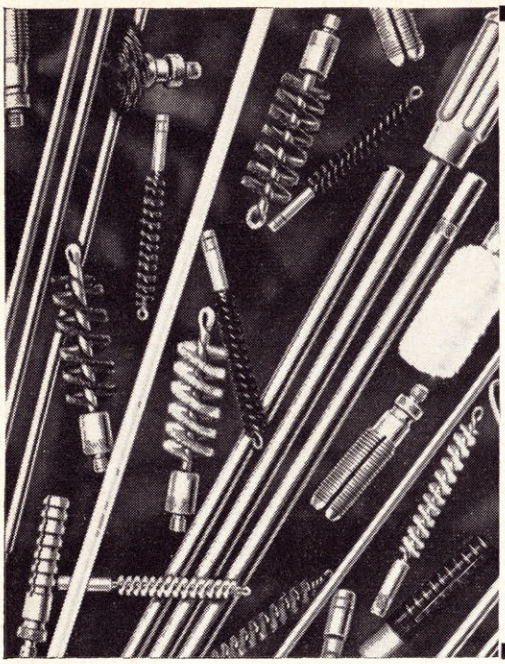
AIR GUN DARTS

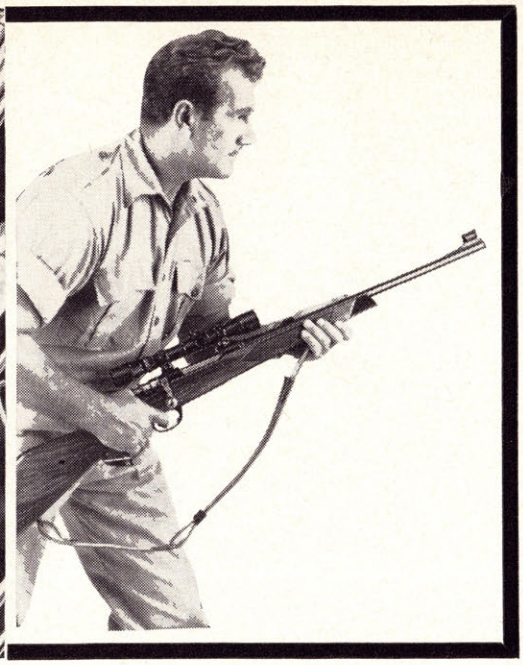
Suitable for use in air guns and pistols with smooth barrels; not recommended for use in weapons with rifled barrels.

List No. 8860 (*AIR* $4\frac{1}{2}$) .177" } in packets of one dozen each
" " 8860 (*AIR* $5\frac{1}{2}$) .22" }



AIDS FOR CLEANING AND MAINTENANCE





Advice on the Care of your Firearm

In humid climates such as often prevail at times in many parts of the world, powder and cap residues in gun barrels after firing tend to absorb atmospheric moisture to cause corrosion **from the moment the cartridge is fired**.

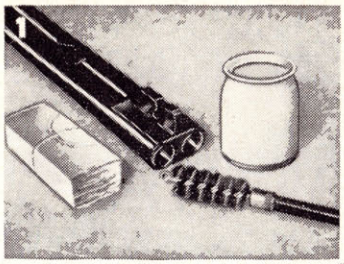
It is very important, if the shooter wishes to maintain his gun or rifle in such a condition that it remains accurate and reliable, that one should remove at the earliest opportunity and in the most efficient and easy way possible, the products of combustion that will cause corrosion. This even applies when, as is now usual, non-corrosive primers are used, since any fouling will attract moisture and cause corrosion. Persistent neglect to clean out a weapon will almost invariably cause damage to the bore and when a replacement pair of barrels is required for a shot gun the cost will amount to a considerable sum, even as much as a first grade gun pre-war. Pitting, wear and general neglect are the first things looked for by a dealer if one wishes to sell a gun or rifle, or to offer one in part exchange.

The design of cleaning equipment has advanced over the years with PARKER-HALE leading in the production of the latest cleaning aids and a modern set of equipment will help very materially to lengthen the life of any gun or rifle and will relieve the sportsman's pocket as far as repairs are concerned.

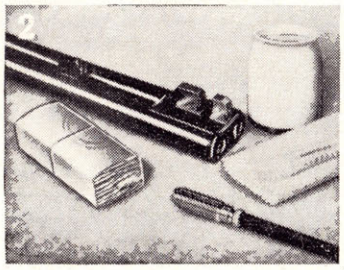
We are eager to help all shooters and would suggest that, of all our many and varied items of cleaning equipment, the following list comprises those articles which are indispensable for a cleaning outfit for gun, rifle or revolver: the strongest available cleaning rod for the calibre, preferably celluloid covered and in one piece, with correct size jag, supply of flannelette cut patches, phosphor bronze wire brush, soft bristle brush, or wool mop, to be kept clean for the application of neat oil preservative, a tin of "Young's .303 Cleaner" with "Valvespout" for direct application to the brush or mop.

1 Scrub out barrel and loosen fouling with a phosphor bronze wire brush wetted with Young's "303"* cleaner.

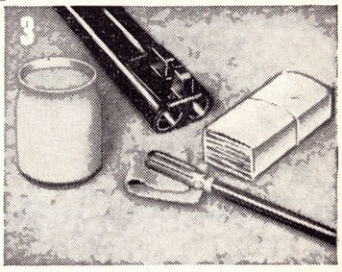
*If corrosive ammunition is used the Young's "303" cleaner in points 1 and 2 should be mixed with 3 parts water forming an aqueous solvent (which we term Aquoil). With non corrosive cartridges use neat Young's throughout.



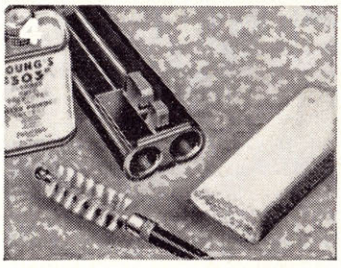
3 Dry out with successive patches until these emerge reasonably clean.



ADOPT THE PARKER-HALE 4 POINT PLAN FOR BETTER SHOOTING



2 Swab out with Young's "303"* until discolouration disappears



4 Apply neat Young's "303" cleaner generously on a loose patch, a wool mop or preferably a soft bristle brush which can be washed and kept clean for the purpose.

Metallic fouling will cause corrosion of the steel if not removed, though this does not often collect in a well preserved barrel. If this form of fouling cannot be removed by normal scrubbing with the phosphor bronze brush, we recommend polishing the bore with our "Motty Paste" applied on a patch or in bad cases on a wire brush. It is also suggested that in the case of a smooth bore barrel, if a portable electric drill is to hand, the operation can be carried out in a fraction of the time by using a phosphor bronze wire brush on the forward section of a 2-piece cleaning rod with an adaptor to suit the drill chuck. No possible harm can be caused; in fact the polishing action of the brush helps restore the pristine finish, and in a very short time.

"Young's 303 Cleaner" **is not a lubricant**. It is a chemical preparation designed specifically as a cleaner and rust preventer. It should **not** be used to lubricate moving parts, nor should it be applied to the stock as it may damage the finish on woodwork. It is a preparation which partially dries, forming an air-tight skin over all surfaces, and will only be a nuisance if it gums up the action.

For the purposes of lubrication we have developed a special oil, "EXPRESS" Gun Oil, which has the qualities of penetration and rust prevention, as well as superbly smooth lubrication, making it an essential part of the shooting man's equipment. "EXPRESS" Gun Oil gives the smoothest action for bolt and lock mechanisms, and is ideal for all automatic weapons.

Rangoon Oil is another of our lines whose function we want to make quite clear. It is not a cleaner as is "Young's 303," and is not soluble, but is an acid free preservative against rust, provided all traces of rust and corrosive particles have been removed.

PARKER-HALE ORIGINAL RIFLE CLEANING RODS

FOR ALL WEAPONS OF ALL CALIBRES

Made from high carbon steel, hardened and tempered

The evolution of Rods specially designed to cater for the cleaning problems of sportsmen using varying calibres and types of cartridge weapon has occupied Parker-Hale craftsmen since the early 1900's.

Our quality of workmanship and materials have always been commended by sportsmen in most countries of the world, and our progress is marked through the successive production of bare steel and celluloid covered Rods from the simple ring handle variety, through the swivel knob to the comparatively luxurious ball bearing handle type which despite its higher cost is most popular because it enables the cleaning implements to follow the helix in rifled barrels.

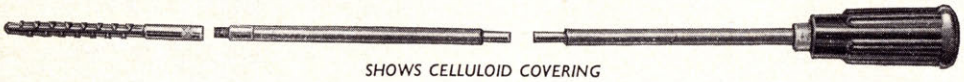
Our close attention to customer's desires over the past 50 years enables us to make and hold stocks of a large variety of types, but we are still prepared to furnish further variations from our standards at additional cost.

In order to secure interchangeability of fit between implements and their appropriate rods, we adhere rigidly to the use of special specification threads suited to a grouping system regulated by calibres, from which we do not depart.

Rods for .177" calibre air rifles are threaded .125". Small calibre rifle rods from .22" to .269" carry a .148" diameter thread and all implements within this range of calibres will interchange, despite the variation in rod thickness provided within this group.

From .270" or 7 m/m up to .600" calibres, we employ a .203" diameter thread on rods sized to suit this wider range of calibres, but all implements between calibre .270" and .600" will interchange on this our largest rifle rod thread.

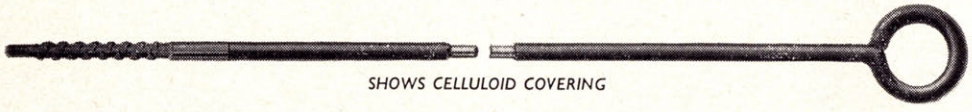
BALL BEARING HANDLE CELLULOID COVERED RODS



SHOWS CELLULOID COVERING

As illustrated, a tough plastic handle mounted on ball bearings, coloured red for the smaller calibres and black for the larger calibres; the material used for covering the steel rod itself harmonises with the new coloured handles.

RING HANDLE CELLULOID COVERED RODS



SHOWS CELLULOID COVERING

This gives the cheapest form of construction, but the lack of a swivelling handle makes it necessary to turn the rod to follow the helix of the rifling.

As the above illustrations show our original types of cleaning rod fall into three general classes according to the style of handle fitted, but we supply further alternatives by way of uncovered bare steel rods, polished or blacked.

Overleaf we classify by calibre and, therefore, by the threads they carry, the full list of our normal stock of hardened and tempered steel rods with the relative list numbers which provide a code for the guidance of the customer.

PARKER-HALE ORIGINAL RIFLE CLEANING RODS

Weapon Calibre	Implement Thread	Rod Diameter	Effective Length	Description	List Number
"CELLULOID" COVERED RODS					
.177" or 4.5 m/m (No. 1)	.125"	.170"	27"	1 piece Ring Handle	6001 (17CA)
.220" to .269" 5.6 m/m to 6.8 m/m	.148"	.210"	32"	1 piece Ball Bearing	6002 (22A)
	.148"	.210"	37"	1 piece Ball Bearing	6003 (22AL)
	.148"	.210"	44"	1 piece Ball Bearing	6004 (22ALX)
	.148"	.205"	34"	1 piece Ring Handle	6006 (22C)
	.148"	.230"	37"	1 piece Ball Bearing	6008 (25A)
.270" to .349" or 6.9 m/m to 8.8 m/m	.203"	.248"	37"	1 piece Ball Bearing	6010 (27AL)
.350" to .600" or 8.9 m/m to 15.2 m/m	.203"	.315"	37"	1 piece Ball Bearing	6015 (35A)
	.203"	.315"	37"	2 piece Ball Bearing	6016 (35A2)
BLACKED STEEL RODS					
.177"	.125"	.140"	25"	1 piece Ring Handle	6023 (17CS)
.220" to .269"	.148"	.180"	37"	1 piece Ring Handle	6025 (22CS)
.270" to .349"	.203"	.218"	37"	1 piece Ring Handle	6026 (27CS)

PARKER-HALE CELLULOID COVERED PISTOL AND REVOLVER RODS

These Rods conform in their general design with our Rifle Rods, save that they are more diminutive in length and are generally fitted with smaller size handles. They are usually required to be celluloid covered but to special order similar types can be furnished without the covering with a consequent increase in the diameter of the hardened steel wire core. The same implement thread dimensions are adopted for all Parker-Hale Pistol and Revolver rods according to calibres as for our Rifle Rods. Thus *implements* made separately for Rifle or Revolver cleaning may be interchangeably employed within the same thread groups.

List No. 6017G (PRH.4)

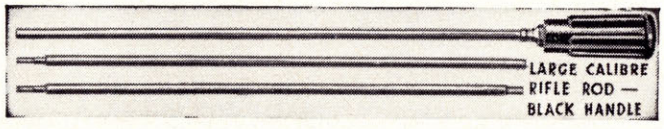
List No. 6018F (PBH.3)

Description	*List Numbers*			
	22″ cal.	**320′ cal.**	**380′ cal.**	**455″ cal.**
Ring Handle	6017B (*PRH.1*)	6017E (*PRH.2*)	6017F (*PRH.3*)	6017G (*PRH.4*)
Ball Bearing Handle	6018B (*PBH.1*)	6018E (*PBH.2*)	6018F (*PBH.3*)	6018G (*PBH.4*)

A jag to suit the calibre of the weapon is furnished with each rod. State length of barrel when ordering. If length is not specified we supply rods of stock lengths.

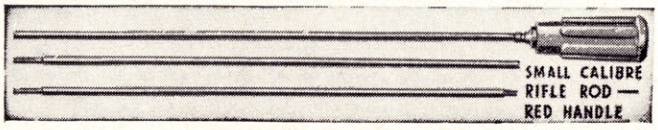
PARKER-HALE "SAFARI" CLEANING RODS FOR RIFLES

Parker-Hale "SAFARI" *Rifle Rods* are distinguished from the Shot Gun types only by the smaller diameter dural rodding employed, and by the provision of a swivelling handle to enable the helix of the rifling in the barrel to be followed by the implements. Thus a similar shaped tough plastic handle carrying a revolving bearing is coloured *black* to show its suitability for all medium and heavy calibre rifles.



List No. 6050E (*27AD.3*) Three-piece "SAFARI" dural *Rifle Rod* (carrying a .203′ diameter implement thread) complete with jag tip for patches suitable for calibres .270′ to .349′ (or 6.9 m/m to 8 m/m). Weight 3½ ozs.

Parker-Hale "SAFARI" *Rifle Rods* for the smaller calibres .22″ to .269″ (or 5.6 m/m to 6.8 m/m) distinguished by the revolving plastic handle coloured *red*.



List No. 6050B (*22AD.3*) Three-piece "SAFARI" dural *Rifle Rod* (carrying a .148′ diameter implement thread) with jag tip for patches suitable for calibres .220″ to .269″ (or 5.6 m/m to 6.8 m/m). Weight 3 ozs.

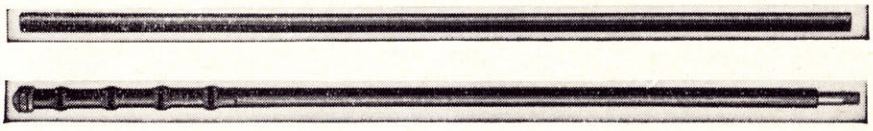
When ordering Rifle Rods, please state the calibre or calibres for which they are required, so that we may supply the correct size of jag tip.

PARKER-HALE SHOT GUN CLEANING RODS

The making of a truly serviceable jointed rod with an adequate exterior finish not liable to damage the gun poses several problems and in the course of our past experience has suggested many different solutions which one by one have been abandoned for various good reasons. We are continuing to produce wood shot gun rods for the larger calibre weapons merely because wood rods used to be cheap and good providing they were well fitted at the joints. The cost and uncertainty of selecting suitable well seasoned timber for wood rods having a satisfactory expectation of serviceable life now favours the production of similar tools from alternative materials.

We have every confidence that our most recent designs of heat treated springy duralumin celluloid covered cleaning rods for shot guns will find increasing favour in shooter's kits both at home and abroad.

PARKER-HALE "SUPAROD"
SUITABLE FOR 20, 16 & 12 GAUGE GUNS



This rod is in production in two-piece and three-piece jointed models. It can be supplied to special order in a single length, but is not carried in stock as a one-piece rod.

The design gives it a similar appearance and includes all the features of its predecessor, our "Cello-Steel" rod, but we have abandoned the tubular steel assembly in favour of a solid heat treated dural construction covered with ribbed "celluloid" and finished with an aluminium knob to the handle. The size of the handle permits the rods to pass right through the gun barrel when required and the ribbed celluloid gives a good grip when assembling or taking the sections apart. The female thread for implements will take all sizes as listed hereafter, from 20 gauge upwards, or will fit any Parker-Hale implements that have been manufactured over the past 45 years.

State calibre when ordering.

Length of rod without implements assembled 37″. Weight 8 ozs.

List No. 6055 (*LSR 2*) Two-piece covered dural "SUPAROD" with nylon jag. Section length 19¼″.

List No. 6055A (*LSR 3*) Three-piece covered dural "SUPAROD" with nylon jag. Section length 13¼″.

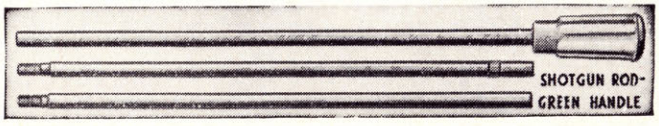
PARKER-HALE "SAFARI" CLEANING RODS FOR SHOTGUNS

A recent addition to the established range of Parker-Hale cleaning rods, designed specifically to meet the exacting demands of the hunter who uses his rifle and shot gun in rough terrain far from base where every added ounce of weight and square inch of bulk to be carried must be watched with care. Our "SAFARI" rods are made of high grade, heat treated duralumin, which combines maximum strength with minimum weight.

"SAFARI" rods are all of *three*-piece construction with an effective cleaning length of 34″. Their strip down length is 14¼″ thus permitting the rods to be carried easily in a ruck-sack or hold-all.

The illustration below depicts a "SAFARI" shot gun rod fitted with an attractive fixed *green* handle of durable plastic, **weighs only 7 ozs.** and is supplied complete with nylon jag.

They carry the same female implement thread traditionally standardised by British rod and implement makers over the past half century.



List No. 6050 (*LDR 3*) Three-piece "SAFARI" dural *Shot Gun* Rod, with nylon jag, suitable for all bores upwards of 28 gauge.

PARKER-HALE WOODEN SHOT GUN CLEANING RODS

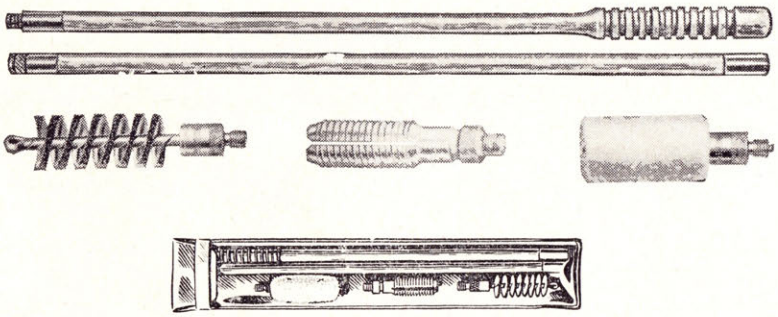
Shot Gun cleaning rods have always been made of timber.

It used to be one of the cheapest, lightest and most suitable materials available for the purpose. Today there are other materials which may be more expensive but which do not have those quality variations present in timber.

Nevertheless, we select all the timber used in the manufacture of Parker-Hale wood rods and special techniques are employed to cut out as far as possible warping of the dowels, loosening of the joints and such faults that are recognised as inherent weaknesses in wood rods.

Bearing the above comments in mind it will be obvious that wood rods are purchased mainly on account of their low cost, but for long life we recommend our more modern productions.

Economic considerations and trade competition compels us to offer wood rods in complete sets with the three implements as illustrated.

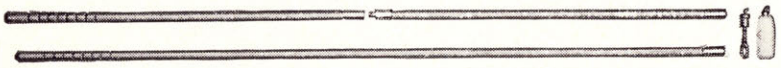


Now in handy plastic wallet

The illustration shows the rod suitable for all bores upwards of 20 gauge. It carries a standard female threaded socket into which **all** Parker-Hale implements (upwards of 20 gauge) will interchange. When ordering, therefore, it is essential to quote the bore size to enable us to supply the correct set of standard implements, viz.—Phosphor Bronze Brush, Nylon jag and Wool Mop.

List No. 6060 (*RW.2*) Two piece highly polished redwood rod.

HUNTER CLEANING RODS



For the cleaning of 12 and 16 bore barrels, Hunter Cleaning Rods are plain, sturdy, utility Implements, designed to do an effective job at minimum cost. All unessential refinements have been dispensed with, resulting in a low priced cleaning rod which is plain, practical and serviceable.

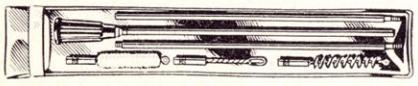
A new economical method of assembly is used for the standard threaded Dural joints and fittings which will never loosen or fall apart.

Hunter Cleaning Rod with wire loop and wool mop, one piece, for 12 gauge or 16 gauge. List No. 6065 (*H.R1*).

Hunter Cleaning Rod with wire loop and wool mop, two piece, for 12 gauge or 16 gauge. List No. 6066 (*HR.2*).

Hunter Cleaning Rod with wire loop and wool mop, three piece, for 12 gauge or 16 gauge. List No. 6067 (*HR.3*).

PARKER-HALE "400" ROD SET

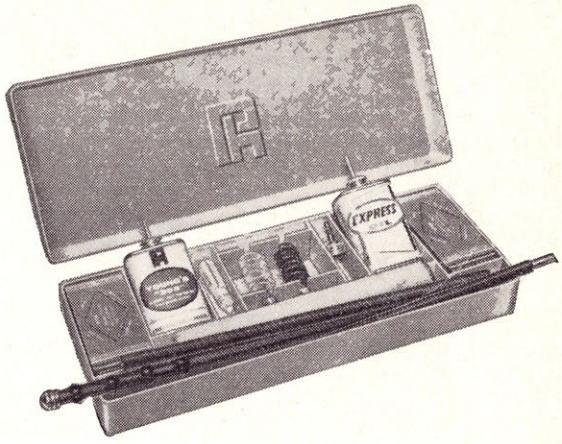


List No. 6070 (*40AD3*)

The "400" Rod Set is available for the cleaning of .410 gauge shotguns and .400 calibre rifles. It comprises of the following rod and implements:—

One 3-piece "Safari" dural rod, one wire loop, one phosphor bronze brush, one wool mop.

PARKER-HALE CLEANING OUTFITS



Dimensions $14\frac{1}{2}'' \times 6'' \times 1\frac{1}{2}''$
Weight $3\frac{3}{4}$ lbs.

"SAFARI" OUTFIT

in the new style Polystyrene box

List No. 6201 (*SO 1*)
Shotgun gauges 12-20 with Suparod

List No. 6205 (*GO 1*)
Shotgun gauges 12-20 but with Safari Dural Rod

List No. 6202 (*SO 2*)
Rifle cals .220-.269 with 3-piece Celluloid covered rod.

List No. 6211 (*RO 2*)
Rifle cals .220-.269 with 3-piece Safari Dural Rod.

List No. 6203 (*SO 3* *)
Rifle cals .270 & over with 3-piece Celluloid covered rod.

List No. 6212 (*RO 3* *)
Rifle cals .270 & over with 3-piece Safari Dural Rod.

* *Suitable for cleaning 400 gauge.*

The newly designed outfit is now offered in a compact, lightweight pack—now easier to carry—ideal for shooting expeditions and for those who travel.

Containing:

Either 3-piece shotgun "Suparod" or "Safari" dural rifle rod or a 3-piece celluloid-covered rod with ball bearing handle.

4 oz. Valvespout tin Young's "303" Cleaner and Rust Preventer.

4 oz. tin "EXPRESS" lubricating oil.

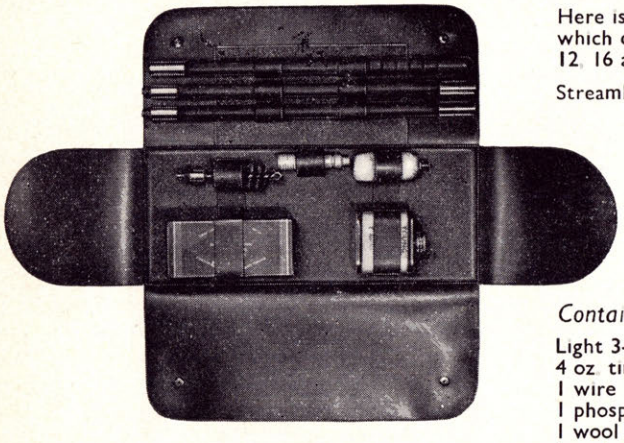
2 packets flannelette patches.

1 each soft bristle and phosphor bronze brushes, one jag and one dusting cloth.

PARKER-HALE CLEANING OUTFITS

THE NEW

"HANDY" OUTFIT



Here is the new ultra-lightweight "Handy" pack which contains all the essentials for shotgun gauges 12, 16 and 20 (not .410).

Streamlined, inexpensive . . . **excellent value.**

Containing:

Light 3-piece wooden rod.
4 oz. tin "Young's" .303" Cleaner.
1 wire loop for patches.
1 phosphor bronze brush.
1 wool mop.
1 packet cut flannel patches.

N.B.—Please state bore size when ordering.

Dimensions: 12" x 3" x 1¾". Weight: 1 lb. 3 oz.

List No. 6206 (*GO 2*)

"CLANSMAN-PISTOL" OUTFIT

A comprehensive set, of good quality, for the pistol or revolver owner. Available in .22 cal. short barrel, .22 and .38 cal. long barrel, .45 cal. and Auto Pistol.

Containing:

Ring handled, celluloid covered rod.
4 oz. tin "Young's .303" Cleaner.
1 phosphor bronze wire brush.
1 jag.
Cut flannelette patches.

Dimensions: 9" × 3" × 1¾"
Weight: ¾ lb.

List No.

6213 (*PCS 2*) .22 cal. target pistols (long barrel)
6214 (*PCS 3*) .25 cal. pocket automatic pistols
6215 (*PCS 4*) .32 cal. revolvers and automatics
6216 (*PCS 6*) .38 cal. target revolvers (long barrel)
6217 (*PCS 7*) .45 cal. police revolvers and automatics

N.B.—Please state when ordering:

(i) Length of barrel.
(ii) Whether revolver, single shot or automatic.

PARKER-HALE CLEANING AIDS

HOG'S BRISTLE BRUSH

No synthetic fibres have yet proved superior to natural hog's bristle, exclusively used in this style of brush.

NYLON FILAMENT BRUSH

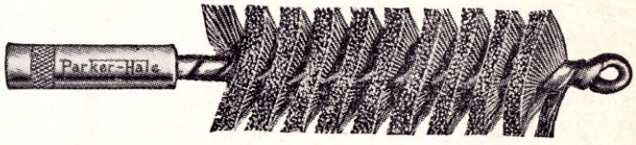
Unlike natural bristle, white Nylon filaments are available in varying gauges and we use appropriate strengths of filaments to suit different calibres.

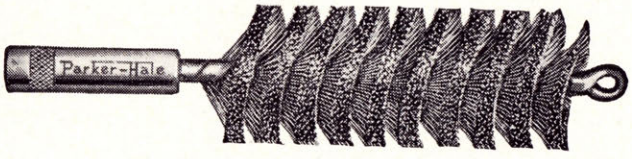
PHOSPHOR BRONZE WIRE BRUSH

We claim to have initiated the use of springy phosphor bronze wire as an alternative to the soft brass wire for rifle brushes of earlier days. These wire brushes are ideal for the removal of hard fouling without the slightest hint of damage to the bore.

WIRE SCOURER

On insertion into the bore, the filaments close towards the stem; if allowed to emerge from the barrel, the form of the brush can inadvertently be spoiled and in order to avoid this risk of damage, we recommend the use of a scourer only when a Rod Stop is fitted to the cleaning rod.





INVERTED WIRE SCOURER

For use mainly by armourers in case of severe neglect. The steel wire is reversed to enable this brush to be used with less risk of damaging the brush on emergence from the muzzle.

WOOL MOP

These mops are useful for oiling the bores, but it is important to keep them clean, as otherwise much harm can be done by the fouling on the wool neutralising the preserving properties of the oil.

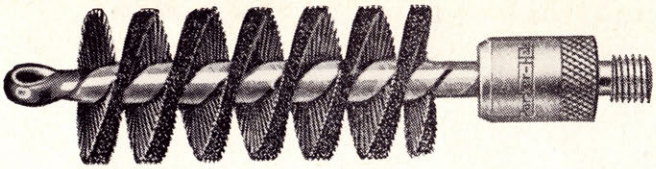
CHART

	Bore Diameter	.177"	.220" to .239"	.240" to .269"	.270" to .299"	.300" to .349"	.350" to .399"	.400" to .449"	.450" to .499"	.500" to .600"
HOG'S BRISTLE BRUSH	List No.	6110A (BB.17)	6110B (BB.22)	6110B (BB.22)	6111E (BB.30)	6111E (BB.30)	6111E (BB.30)	6111G (BB.40)	6111G (BB.40)	6111J (BB.50)
NYLON FILAMENT BRUSH	List No.	6120A (NB.17)	6120B (NB.22)	6120C (NB.24)	6121D (NB.27)	6121E (NB.30)	6121F (NB.35)	6121G (NB.40)	6121H (NB.45)	6121J (NB.50)
PHOSPHOR BRONZE WIRE BRUSH	List No.	6130A (PB.17)	6130B (PB.22)	6130C (PB.24)	6130D (PB.27)	6130E (PB.30)	6130F (PB.35)	6130G (PB.40)	6130H (PB.45)	6130J (PB.50)
PHOSPHOR BRONZE WIRE SCOURER	List No.	—	6146B (BS.22)	6146B (BS.22)	6146D (BS.27)	6146E (BS.30)	6146F (BS.35)	6146F (BS.35)	6146H (BS.45)	6146H (BS.45)
STEEL WIRE SCOURER	List No.	—	6143B (SS.22)	6143B (SS.22)	—	6143E (SS.30)	6143E (SS.30)	—	—	—
INVERTED WIRE SCOURER	List No.	—	—	—	—	6144E (IS.30)	6144E (IS.30)	6144E (IS.30)	—	—
WOOL MOP	List No.	—	6150B (WM.22)	6150B (WM.22)	6150E (WM.30)	6150E (WM.30)	6150E (WM.30)	6150G (WM.40)	6150G (WM.40)	6150J (WM.50)

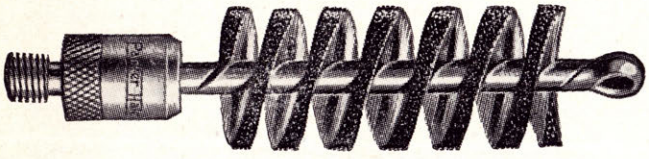
Brushes for use in weapons of .22" to .256" calibre inclusive, have sockets threaded .148" and may be used **only** on rods carrying this size of thread.

PARKER-HALE SMOOTH BORE GUN CLEANERS

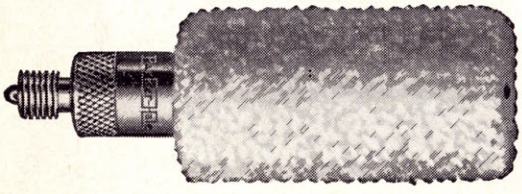
HOG'S BRISTLE BRUSH



NYLON FILAMENT BRUSH



PHOSPHOR-BRONZE WIRE BRUSH



WOOL MOP

Reference to the chart below makes selection of the most suitable type of brush for any calibre by its appropriate list number a simple matter.

TURK'S HEAD WIRE BRUSHES, originally made for scratching black powder deposits from Muzzle Loading Guns, are available for various bore sizes in accordance with list numbers quoted.

CHART

Bore Size		8	10	12	16	20	28	400
HOG'S BRISTLE BRUSH	List No.	6112Q (BB 8)	6112P (BB 10)	6112N (BB 12)	6112M (BB 16)	6112L (BB 20)	6112K (BB 28)	6112G (BB 40)
NYLON FILAMENT BRUSH	List No.	6122Q (NB 8)	6122P (NB 10)	6122N (NB 12)	6122M (NB 16)	6122L (NB 20)	6122K (NB 28)	6122G (NB 40)
PHOSPHOR BRONZE WIRE BRUSH	List No.	6132Q (PB 8)	6132P (PB 10)	6132N (PB 12)	6132M (PB 16)	6132L (PB 20)	6132K (PB 28)	6132G (PB 40)
TURK'S HEAD WIRE BRUSH	List No.	— —	— —	6147N (TH 12)	6147M (TH 16)	6147L (TH 20)	6147K (TH 28)	— —
WOOL MOP	List No.	6152Q (WM 8)	6152P (WM 10)	6152N (WM 12)	6152M (WM 12)	6152L (WM 20)	6152K (WM 28)	6152G (WM 40)

The brushes shown above from gauges 28 to 8 are suitable for use with our shotgun rods described on the previous page: those under the heading .400 are rifle implements which serve the dual purpose of accommodating .410 gauge.

PARKER-HALE PHOSPHOR BRONZE WIRE BRUSHES

FOR PISTOLS

22 REV. 32 REV. 38 REV. 455 REV.

These brushes are made of a suitable length for revolvers and of a correct diameter for each calibre. They carry a heavy pack of phosphor bronze wire that cleans without scratching.

Calibre	.177″	.22″	.25″	.32′	.38′	.455″
List No.	6130A (*PB.17*)	6130B (*PB.22*)	6130C (*PB.24*)	6130D (*PB.30*)	6130E (*PB.35*)	6135H (*RV.7*)

All the popular m/m calibres also stocked. Always state calibre when ordering.

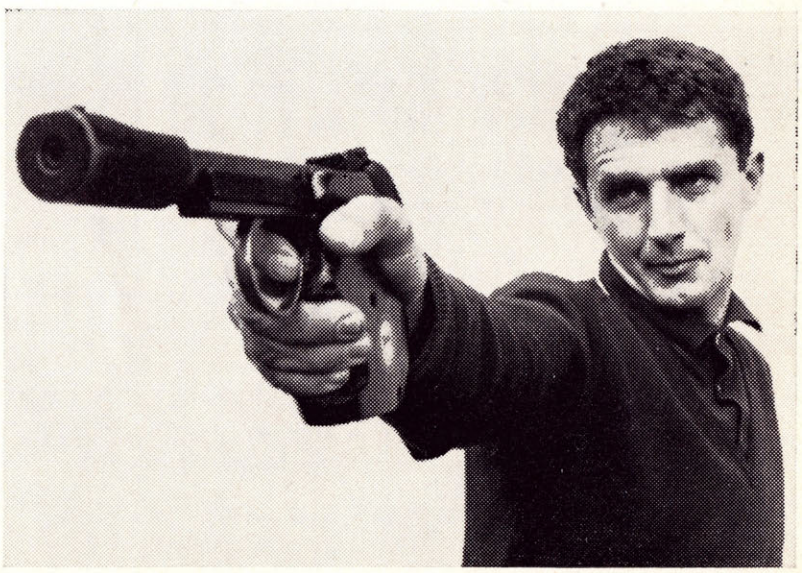
PARKER-HALE HOG'S BRISTLE BRUSHES FOR PISTOLS

22 REV. 32 REV. 38 REV. 455 REV.

Similar to the above, but packed with hog's bristle.

Calibre	.177″	.22″	.25″	.32′	.38′	.455′
List No.	6113A (*BB.17*)	6113B (*BB.22*)	6113C (*BB.24*)	6113E (*BB.30*)	6113F (*BB.35*)	6136H (*RB.7*)

All the popular m/m calibres also stocked. Always state calibre when ordering.



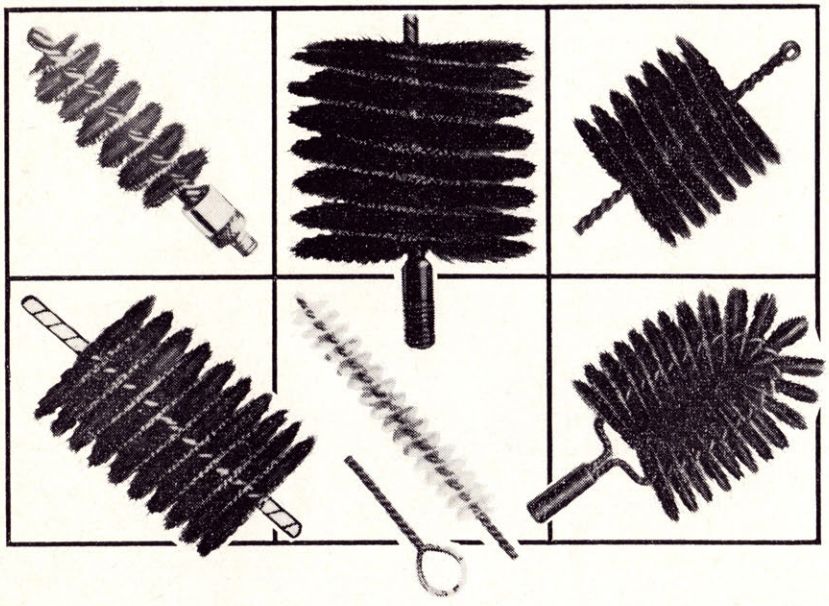
Keep your pistol in top condition with Parker-Hale cleaning aids.

TH

WIRE TWIST BRUSHES FOR INDUSTRY, TOO!

Our long experience in the Trade enables us to produce cleaning equipment adapted to many requirements in industry and commerce. Tempered Steel wire, Phosphor-bronze, Nylon and Bristle are the principal fillings and cater for practically all brush requirements, but other filaments have occasionally been utilised. Metal filament brushes are particularly useful for removing light machining fraise and chemical residues left by manufacturing processes.

Although outside our normal range we have successfully supplied brushes with diameters as widely separated as 6 ins. and one-fifth of an inch. Whilst specialising on the tube cleaning type of twisted wire brush we do undertake the ferrule pattern for end cleaning operations, which defeat the former type and, of course, variations of both.



If **you** have a cleaning problem why not write to the Industrial Brush Division at Parker-Hale and ask for a copy of a useful folder which gives general details on the Parker-Hale Range of Industrial Brushes.

Minimum quantity 100

PARKER-HALE ROD IMPLEMENTS

For rifled bores

The developments of implements to enable our cleaning rods effectively to carry out their job has entailed many trials but has resulted in the evolution of the series illustrated below which are always available from stock to suit the calibre groups listed below thereby assisting the buyer to quote our identifying list numbers without further description.

N.B.—These implements have female threads to fit rods in the same calibre groups. Thus air rifle implements fit only air rifle rods.

Implements for calibres .220″ to .256″ (or 6.5 m/m) are threaded .148″ and the larger calibres .270″ and over are threaded .203″.

We always provide a jag for recommended cut patches when we are asked to supply rifle or pistol cleaning rods for a similar reason we furnish loop implements with our shot gun rods. Because these implements must be sized to suit the bore it facilitates the execution of Rod orders if customers will kindly quote the relevant list numbers when ordering rods and **state the calibre or bore size** of the weapon to be cleaned.

"DIAMOND TRUEFORM" JAG

The multiple diamond shape of the jagged portion of this implement takes a positive grip on the flannelette patch which may be wrapped either straight or on an angle to vary its effective diameter. *Care should be taken to wrap the patch clear of the shank of the jag.*

LOOP CLEANER

For those who prefer a type of implement for use with tow or rag clippings we provide this implement which may vary in construction according to the bore size of the weapon. The WL 28 loop can be used for cleaning .410 barrels when fitted to a rifle cleaning rod.

CHART OF LIST NUMBERS

Calibre Ranges	Trueform Jag	Loop Cleaner
.177″	—	6170A (*BL 17*)
.22″ to .240″	6163B (*J 22*)	—
.220″ to .269″	—	6170B (*BL 22*)
.240″ to .269″	6163C (*J 24*)	—
.270″ to .299″	6163D (*J 27*)	—
.270″ to .375″	—	6170D (*BL 28*)
.300″ to .354″	6163E (*J 30*)	—
.355″ to .374″	6163F (*J 35*)	—
.375″ to .440″	—	—
.375″ to .600″	6163G (*J 37*)	—
.400″ to .600″	—	6170G (*BL 40*)
.440″ to .600″	—	—

When ordering please state list number and calibre.

In order to select the recommended size patch to suit the Jag implement and the calibre of the weapon to be cleaned please refer to the page describing Parker Hale Flannelette Patches which are now made in three sizes —

Small 6410 (F 1),
Medium 6413 (F 2) and
Large 6414 (F 3).

PARKER-HALE SMOOTH BORE ROD IMPLEMENTS

Any cleaning rod is merely a handle by which the set of implements is applied to the task of cleaning the bore. We have, therefore, paid particular attention to the essential functions for which Parker-Hale Implements are designed.

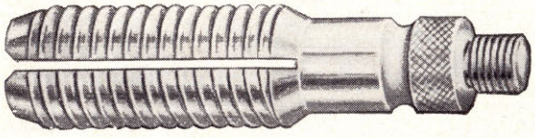
We are indebted to many of our customers for improvements that we have made from time to time, both with the objects of preventing damage to barrels and giving better service.

The use of cut patches brings a great convenience to the task of barrel cleaning with maximum effectiveness in the removal of corrosive residues, but we still cater for those who prefer the use of tow, rag clippings or other suitable cleaning materials.

We, therefore, illustrate on this page the available alternative types of implements charted below for ready identification with our list numbers to suit the various popular bore sizes.

CHART

	Bore Size	10	12	16	20
NYLON JAG	List No.	—	6161N (*NJ 12*)	6161M (*NJ 16*)	6161L (*NJ 20*)
WIRE LOOP	List No.	6170N (*WL 12*)	6170N (*WL 12*)	6170N (*WL 12*)	6170N (*WL 12*)



NYLON JAG

WIRE LOOP

PARKER-HALE PULLTHROUGH CLEANERS IN POUCHES

FOR RIFLES AND SHOTGUNS

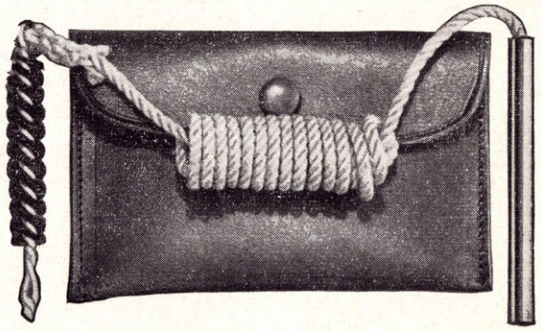
These simple pocket cleaners as provided for the maintenance of British Military rifles, when they are generally housed in a special recess behind the butt plate, have been found very handy by users of sporting guns and rifles which are not normally provided with similar accommodation in the weapon.

They are less cumbersome than a cleaning rod but are not, in our opinion, suitable for thorough cleaning after shooting, though they can be carried for immediate use after the day's shooting is over.

Pullthroughs are generally assembled from materials to suit the calibre and type of weapon for which they are required.

The pouches are made of a strong serviceable material most suitable for the protection of other equipment from objectionable contamination.

This illustration depicts a typical rifle pull-through equipped with a bristle brush, but reference to the chart and list numbers below indicates three types of brush available, filled either with bristle, Nylon or phosphor-bronze.



PARKER-HALE BRUSH PULLTHROUGHS IN POUCHES

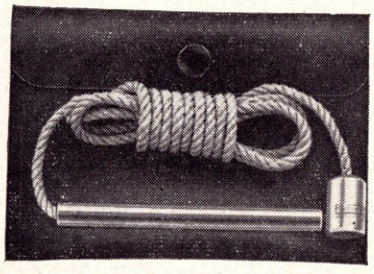
	Calibre	.22" to .269"	.270" to .399"	.400 * to .600"
With Hog's Bristle Brush	List No.	6114B (*PTB 2*)	6114E (*PTB 3*)	6114G (*PTB 4*)
With Nylon Brush	List No.	6124B (*PTN 2*)	6124E (*PTN 3*)	6124G (*PTN 4*)
With Phosphor-Bronze Wire Brush ...	List No.	6134B (*PTW 2*)	6134E (*PTW 3*)	6134G (*PTW 4*)

Always state actual calibre and List No. when ordering.
*Also suitable for cleaning .410 barrels

PARKER-HALE PULLTHROUGHS IN POUCHES FOR SMOOTH BORE GUNS

These handy pocket aids for shotgun owners are available in two versions. The pullthrough in List No. 6148 (SB 1) consists of a length of stout cord carrying at one end a brush with loop for an oiled cloth and at the other end a weight to carry the cord through the barrel. Alternatively List No. 6148A (SGP) is supplied as standard without implements (see illustration) and comprises of a length of stout cord fitted with a weight at one end to carry the cord through the barrel and a threaded socket (to accommodate brush or mop) at the other end.

In the List No. 6148A (SGP) type the components will pass through any standard shotgun so the pullthrough is not confined to any one bore size. (For the 6148 (SB 1) type it is necessary to obtain a 6114G (*PTB4*) pouched pullthro' for .410.)



STANDARD GOVERNMENT .303" cal. PULLTHROUGH

List No. 6149 (*186*). Government pullthrough consisting of cord and weight.

N.B.—We shall be glad to quote separately for quantity supplies of Government Pullthrough cords, weights and gauzes.

No. 6149 (*186*)

YOUNG'S ".303"

A COMBINED CLEANER AND RUST PREVENTER

Stephen Young

YOUNG'S " .303 " is a special blend of oils and chemicals which we own and market under the name of YOUNG'S " 303 " CLEANER AND RUST PREVENTER.

It was first put on the market by us in the year 1900, when it was immediately successful, and has maintained its premier position ever since. It is certainly the most economical article ever offered for the purpose, and is in demand the world over by riflemen, sportsmen and many others who use firearms.

As its name implies, it is a combined CLEANER AND RUST PREVENTER, but it is not a lubricant.

Only water will remove the product of Potassium Chlorate but this is aided when mixed with an emulsifying oil (e.g. Youngs).

As a Cleaner. Counteracts most thoroughly and efficiently the after effects of burnt powders which may stain the barrel with a hard salt deposit. To dissolve this residue YOUNG'S CLEANER should be mixed with water in the ratio of 1—3 to form an Aqueous Solution—a wire cleaning brush, used in conjunction with this solution, will effectively loosen and clear the deposit from the barrel.

As a Rust Preventer. Being an emulsifying mixture free from acid it will keep the bores of firearms free from rust for an indefinite period.

Due to the evaporation of one of the components it will, after exposure, thicken to a grease, which does not drain off, it thus combines the intimacy and penetration of an oil with the permanence of a grease. Any steel surface, covered with a film of neat YOUNG'S, will resist the action of rust for a long period of time. Where heavy humidity prevails YOUNG'S WOOLFAT JELLY is recommended.

Other Uses. During the years that YOUNG'S CLEANER has been on sale it has proved itself a most versatile preparation. Customers in the tropics report that, in addition to its excellent preservative qualities for firearms the smell keeps " silverfish " and worms out of the lining of gun cases.

YOUNG'S, too, possesses antiseptic properties and has proved useful for killing germs and healing wounds. Mixed with hot water it serves for immersing and preserving sea fishing tackle. In the cinematograph industry it is in demand for the intricate mechanism of the cinematograph machine. As a combatant of corrosion it is particularly effective for treating the terminals of car and radio accumulators. Practically any cutting implement, including surgical instruments, can be preserved free from rust and sterilised by the use of YOUNG'S CLEANER.

5 ozs. Aerosol Spray Gun Pack List No. 6310A (*D11*)

4 ozs. Tin with "Valvespout" List No. 6310D (*193TV*)

4 oz. Tin with Screw Cap/Pourer List No. 6310C (*193T*)

Also available in **Bulk Containers** in the following sizes :—

List No. 6310E (*193A*) Half Pint List No. 6310F (*194*) One Pint List No. 6310G (*195*) One Quart

List No. 6310H (*195A*) One Gallon 5 Gallon Drums (non-returnable)

EXPRESS OIL

This now firmly established gun lubricating oil is supremely effective in overcoming any friction in action mechanisms. It was specially developed by Parker-Hale specifically for the efficient lubrication of moving parts of Guns and Rifles in all climates and conditions.

For quick and convenient application we can now offer EXPRESS OIL SPRAY GUN PACK—a further refinement of Express Oil's established qualities of Penetration, Rust Inhibition and Cleaning Power. This aerosal will be appreciated by Shooting men everywhere and indeed by all who require a light lubricant for general usage.

Available also in the standard 4 oz. tin, complete with spout.

List No. 6330A (*LO 5*) Spray Gun Pack.
List No. 6330B (*LO 4*) 4 oz. tin.

"RELEASALL" PENETRATING OIL

Releasall has been called "The Liquid Tool" due to its remarkable penetrative qualities that result in speedy release of rust bound components.

It promotes with speed and efficiency softening of rust, red or white lead, verdigris, carbon deposits and hard baked oil.

Indispensable to repair work it has a definite place in all Gunsmiths shops, since it enables long standing rust to be readily removed down to the surface steel.

Packed in 8 oz. tins. List No. 6352

GENUINE RANGOON OIL

A protector for steel surfaces, it provides a film which is impervious to the rusting action of damp air and is not easily removed by contact. For preserving bores of rifles and shot guns it is first necessary to pour through hot water and scour with a phosphor bronze wire brush to remove the acid powder fouling before oiling.

List No. 6340 (*500*) 4 oz. tin

ROCKET W.D. 40

This American preparation gives all-round protection for it stops moisture, penetrates, lubricates and protects against rust. W.D.40 deposits a protective anti-corrosive film that acts as a lubricant and this prevents the further accumulation of rust and corrosion.

In 8 oz. aerosol. List No. 6390

G66 SOLID GUN BLUE CREAM

This top selling American preparation is in the nature of a solid paste that you wipe on. It produces a rich, dark, even blue which will not rub off or discolour. It is easy to apply and there is no waste.

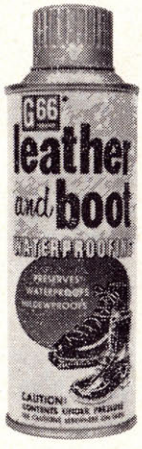
The G 66 Gun Blue container cannot be spilled, broken or spoiled as it is produced in unbreakable polythene.

List No. 6361

G66 GUN SIGHT BLACK

The well known American preparation stops glare on the metal parts of a gun. It is suitable for use on rifle sights and on any firearm where glare needs to be eliminated from surfaces rubbed bright by wear. Supplied in handy 3 oz. aerosol containers.

List No. 6370



G66 LEATHER & BOOT WATERPROOFING

This preparation makes leather durably waterproofed without impairing its breathing characteristics – keeps leather flexible when cold. It is easy to apply, dries quickly and is not sticky leaving leather quite smooth. This G 66 product completely eliminates mildew and is used by hunters, fishermen, skiers, horsemen and outdoor workers. In handy spray pack.

List No. 6353

G66 FABRIC & LEATHER WATERPROOFING

This preparation gives lasting protection against water and adverse weather conditions. It is completely invisible, will not stain clothes and leaves no odour. This waterproofing is not sticky, greasy or gummy. In large 13 oz. aerosol.

List No. 6354

G66 INSECT REPELLENT

This is a new preparation that repels biting insects for hours. It provides hours of protection against mosquitoes, biting gnats, deer flies, midges and most other flies. Easy to use and is not greasy. In convenient aerosol.

List No. 6380

G66 SPORTSMAN'S SILICONE GUN AND REEL CLOTH

Specially treated to absorb and hold dirt and residues whilst, at the same time, this G66 cloth produces a lustre on metal surfaces and on gun stocks. It also protects surfaces by imparting a film that repels dirt, prevents fingermarks and displaces moisture.

List No. 6381

G66 FISHERMAN'S HAND CLEANER

Each pack contains 12 large size, wet strength towelettes which are saturated with a cleansing agent which will remove fish odours, dirt and grime and prevent chapping.

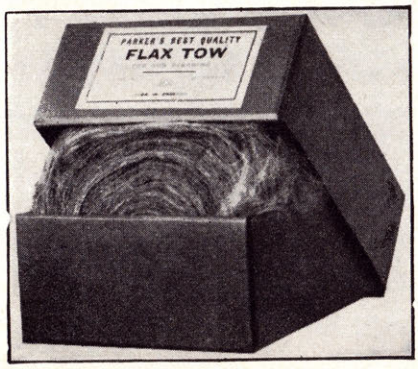
List No. 6382

● ● ● ● ● ● ● ● ● ● ● ● ● ● ●

MARS OIL

Mars Oil is an antiseptic material for preserving and waterproofing all kinds of leather. Not only does it protect the leather against damp and wet, but also against mould and mildew, heat and dry rot.

Screw stoppered cylindrical tins $4\frac{1}{2}'' \times 1\frac{5}{8}''$ dia. List No. 6351



JUTE TOW

A useful, inexpensive cleaning material.

List No. 6440 (*JT.1.*) Approx. $\frac{1}{2}$ lb. roll.

PARKER-HALE CLEANING PATCHES

These patches generally are cut for laying on the jag to over hang its tip and when wrapped **to be quite clear of over-lapping the shank of the implement**. Experience will provide the best guide in order to increase or decrease the pressure applied to the bore of the barrel whether the patch is laid lengthways, crossways or diagonally.

When the implement becomes so worn that its serrations no longer grip the flannelette it should be discarded.

SMALL SIZE ABSORBENT FLANNELETTE CUT PATCHES

For nominal calibres .22"—.243" .25" and .256".

List No. 6410 (*F.1*) packet of 100.

" " 6412 (*F.11*) carton of 1,000 patches.

MEDIUM SIZE ABSORBENT FLANNELETTE CUT PATCHES

For nominal calibres .270"—7 m/m .32" and .38".

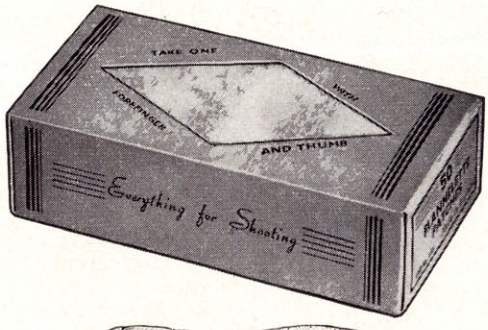
List No. 6413 (*F.2*) packet of 50.

LARGE SIZE ABSORBENT FLANNELETTE CUT PATCHES

For nominal calibres .30" .303" 8 m/m .410" and upwards.

List No. 6414 (*F.3*) packet of 50.

The above patches may alternatively be used with loop implements and pullthroughs.



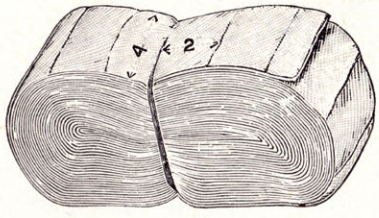
"FORBYTOO" FLANNELETTE

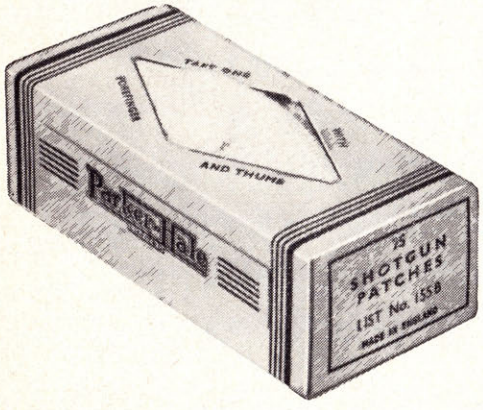
As issued to the Services, supplied in rolls of 50 yards (approximately) four inches wide marked across every two inches with a red stripe.

List No. 6420 (*187b*) Large Roll.

Small roll of similar marked material, 6 yards long, convenient for carrying in a shooting case.

List No. 6420A (*187c*) Small Roll.





SHOT GUN PATCHES

Made from a standard coarse weave absorbent material cut to size to suit Parker-Hale jag implements as listed herein for all popular shot gun bores over .410".

List No. 6425 (*155B*) Dispenser packet of 25 as illustrated.

Parker-Hale patches may be washed after use in detergent water for maximum economy.

" MOTTY " RIFLE PASTE

"Motty" Rifle Paste was invented by Mr. Harry Motton the Australian Rifleman who, earlier in the century, was well-known in this country for his success in Scotland and at Bisley.

Positively removes all traces of metallic fouling *"on the spot"*.

Polishes the bore without enlarging it.

Removing adherent metal it allows the cordite neutralizing oil to get at the steel and preserve it.

Contains no emery or grit.

Can do no harm if left in the barrel.

Saves labour, one cleaning being sufficient.

IMPORTANT. **" Motty " Rifle Paste** will also remove "leading" and it is therefore suitable for cleaning sporting rifles, small bore rifles, and shot gun barrels.

To remove Nickelling.—Wrap a flannelette patch tightly round jag of rod, apply paste and rub away until the obstruction is removed. In bad cases it can be more quickly removed when the paste is applied on a wire brush. List No. PB.30.

To prevent Corrosion.—Proceed as above, then oil the barrel with **Young's " .303 "** in the usual way. It will be found that no further cleaning is necessary and that the barrel will be kept bright all the way through until used again.

List No. 6371 (*286*) 1 oz. aluminium container

" NEVER NICKEL " LUBRICANT
FOR BULLETS

This preparation has been proved through the years by countless hundreds of marksmen, to be a thoroughly effective and easy to use bullet lubricant, the application of which **on the bullet** has been proved to have no detrimental ballistic effects. The advent of gilding-metal coated bullets with their claimed minimising of metallic fouling in no way suggests that the use of " Never Nickel " lubricant is out-moded for it will be obvious that the friction caused by forcing a bullet through a barrel at high speed can only be reduced by the judicious application of a suitable lubricant. Directions for use are given on each printed label.

List No. 6372 (*400*). 1½ oz. lightweight aluminium container with dispenser.

THE *NEW* COMET SUPER BLUE

AN IMPROVED CHEMICAL COLD GUN BLUE

Comet Gun Blue represents the ideal preparation for quick touch up work as a permanent Blue/Black finish can be obtained quickly and simply without the necessity for special apparatus.

We are pleased to announce that, following extensive research, we have now produced a much improved Comet Solution for better results. This new solution has been prepared as a result of the changed situation, whereby the steels used in the making of modern barrels frequently incorporate either nickel or chrome in their specification.

The new solution, Comet Super Blue, is available in 2 oz. containers as illustrated: these are unbreakable and give complete instructions for use.

2 oz. List No. 6360 (*CGB.4*)
½ gall. List No. 6360A (*CGB.80*)

OLD ENGLISH GUN BLUEING SOLUTION

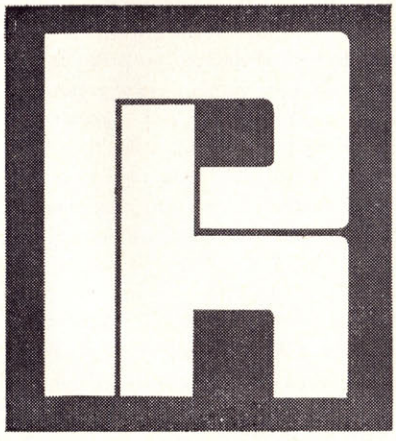
FOR EXPORT ONLY

Full directions for use with every bottle.

There are many different methods used today to obtain a black or blue finish to the steel components of guns and rifles. The old original method of lightly rusting the surface and obtaining the familiar slightly matt black appearance by converting this red iron oxide to black by immersion in boiling water is no longer economic for use in large scale production of firearms, but for amateur gunsmiths who are prepared to equip themselves with the necessary rusting agent and a suitable boiling tank to process the work we offer Old English Blueing Solution as illustrated. The carton pack is complete with full instructions, in the following three sizes.

List No. 6362	(*EGB.4*)	4 oz. Bottle.
,, ,, 6362A	(*EGB.6*)	Quart Bottle.
,, ,, 6362B	(*EGB.7*)	½ gall. Bottle.
,, ,, 6363	(*PB.8*)	Sheet iron boiling tank of 20 gauge welded construction 34″ × 3″ × 4″ deep.

Other necessary materials are readily obtainable at Drysalters and Hardware Stores.



GENERAL SHOOTING ACCESSORIES

PARKER-HALE SLINGS

Slings are the straps by which the soldier originally relieved his hands of the burden of his musket when on the march. No doubt the transition from the original function to the use of the strap for steadying the piece when on aim was not long delayed. In sporting circles, there is a need to avoid unnecessary disturbing metallic noises when in pursuit of game, so the form of attachment to the rifle is of importance. Target marksmanship brings out other essential or desirable features; consequently even slings have to be designed to meet particular functions and in offering our wares we have tried to point out the various types by reference to the style of marksmanship for which they are recommended.

The two leading Associations have their particular rules relating to slings and we therefore quote the amended National Rifle Association rules which now permit slings to be made of material up to two inches in width.

> " Slings need not be on the rifle in either team or individual competitions. They may be used as an assistance in steadying the rifle in SR(b) competitions. The sling must be attached to the rifle at not more than two points, it must not exceed 2" in width, or $\frac{1}{4}$" in thickness. The sling may be placed round one arm and/or wrist, but not around any other part of the competitor's body. A hook or button may be fixed to the coat to prevent the sling slipping down the arm."

The National Small Bore Rifle Association on the same subject rules:

> " In the prone and kneeling positions, unless otherwise provided for in the conditions of the competition, a sling may be used to steady the rifle by bracing to one only of the competitor's arms. The sling may be attached to the rifle at not more than two points and may be of webbing, leather or other flexible material. The width of the sling, including the arm band or cuff, if any, must not exceed 2" or measure more than $\frac{1}{4}$" in thickness uncompressed, except at the front fore-end fixing where a pad up to 4" long by $\frac{1}{2}$" thick uncompressed, which does not increase the width of the sling, is permitted. One hook or button may be affixed to the sleeve of the coat to prevent slipping down the arm."

Thus, whereas our Fraser-Parker Loop Sling could previously employ a wide arm band, this is now cut to the maximum width of two inches permitted by the rules.

Newcomers to target shooting, who are induced by seasoned club members to have their first few practices, generally show a decided preference for shooting without the aid of a sling. This is because the business of getting into a sling properly must be practised and well understood if any assistance is to be obtained from this important item of shooting equipment. Moreover, the adjustment of the sling should be exact for the individual using it, and the newcomer who is induced to try a rifle with a sling is not only without knowledge of its function, but is also usually asked to struggle with a sling that is quite out of adjustment for his particular requirements. The right sling at the right tension is of paramount importance, but it should not be used wholly to support the weapon and practice alone will demonstrate its full worth.

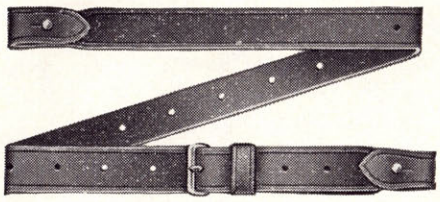
The lessons learned on rifle ranges are often most usefully applied in the sporting field. In this connection our Sportarget sling is to be recommended for its dual purpose as a means of carrying the weapon and getting into effective action with a minimum of delay and with a commendable absence of noise if the right model with the right means of attachment to the rifle is used.

According to the distance between the sling swivels on the rifle, the Sportarget sling may require a little expert adjustment, but as provided by us it suits the average small game or sporting rifle in one or other of the three styles as illustrated. The design of the Sportarget sling follows closely that of the American Army Service sling of which we hold some remaining second-hand stock. The illustration of the American sling in use demonstrates the purpose of the Sportarget sling also when in use as a steady. It will be noted that the part of the sling attached to the butt swivel hangs loose when in the firing position.

PARKER-HALE RIFLE SLINGS

The slings illustrated are designed for specific purposes, either to conform to N.R.A. rules for military rifle shooting, or for more general use on similar rifles adapted for sporting purposes.

Please quote list number when ordering.



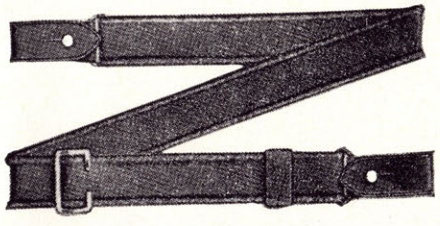
Lits No. 8070A (*214S*)

Made of strong pliable bag hide leather with looped and studded ends for ready attachment to swivels, fitted with plain brass buckle for length adjustment, and best leather 1¼″ wide strap ends.

List No. 8070A (*214S*). 1½″ wide.

Made of the same pliable bag hide but 2″ wide (maximum width permitted under N.R.A. rules).

List No. 8070B (*214H*). 2″ wide.



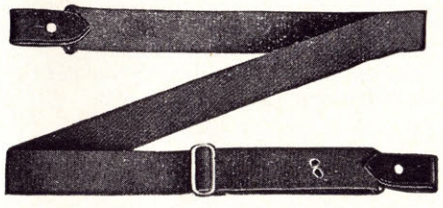
List No. 8070C (*214U*)

Made of 1½″ beaded heavy web as used for military equipment with solid brass slide, brazed brass wire loops and best leather 1¼″ wide strap ends.

List No. 8070C (*214U*). 1½″ wide.

Made of the same heavy beaded web, but 2″ wide (maximum width permitted under N.R.A. rules for Service rifle use).

List No. 8070D (*214GB*). 2″ wide.



List No. 8070E (*214R*)

Made of plain strong tan canvas webbing 1½″ wide with solid brass slide, brazed brass wire loops and best leather 1¼″ wide strap ends.

List No. 8070E (*214R*)

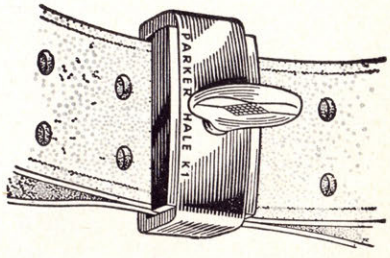
Made of the same plain canvas webbing but 2″ wide with best leather 1¼″ wide strap ends.

List No. 8070F (*214G*)

PARKER-HALE SLING KEEPER

The Parker-Hale aluminium Sling Keeper maintains the fit of the arm loop in the shooting position yet can be readily slackened with a half turn of the steel thumb screw. Suitable for use on slings such as the Fraser-Parker type.

List No. 8071 (*K1*)

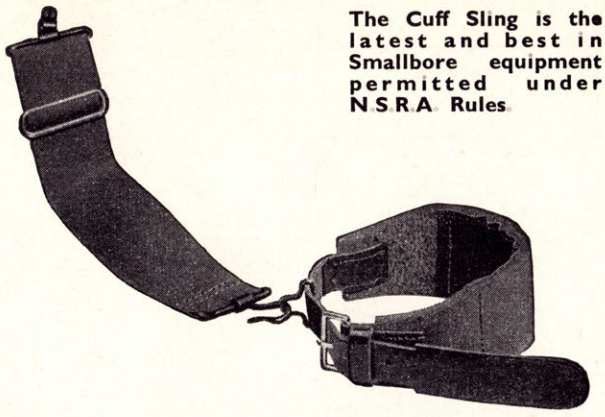


PARKER-HALE SMALLBORE TARGET RIFLE SLINGS

This sling combines the advantages of the American loop sling, with the convenience of avoiding the passing of the sling over elbow pads.

Whilst shooting or waiting one's turn to shoot, the cuff remains on the arm, the short sling being unhooked from the cuff and left hanging on the rifle.

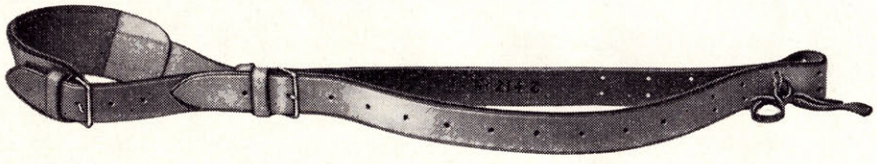
It has the advantage of being locatable above the biceps so that it does not slip over and it is, therefore, more comfortable than any other type of sling, and comfort means points.



The Cuff Sling is the latest and best in Smallbore equipment permitted under N.S.R.A. Rules.

List No. 8060 (*214CS*) or attachment to fore-end eye.
List No. 8060A (*214ICS*) for B.S.A. "International" rifle Mark I and II.
List No. 8060B (*2143*) for B.S.A. "International" rifle Mark III.

FRASER-PARKER LEATHER LOOP SLING



Now modified to meet the requirements of the latest N.S.R.A. rules, the Fraser-Parker sling is made of best hide strapping 1½" wide with a 2" wide shaped arm loop.

Through its ingenious construction it is adjustable firstly for overall length and secondly, by means of the thong provided, the arm loop may be set to a pre-determined construction when the sling is tensioned in use.

It is normally supplied as illustrated, being intended for threading through the swivel on the fore-end. If the rifle is provided only with an eye, suitable types of attachments will be found on the succeeding pages.

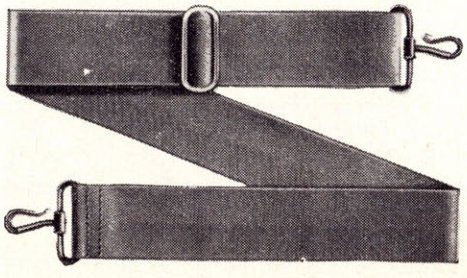
List No. 8072 (*214Z*)

PARKER-HALE BROAD WEB SLINGS

Made with the minimum of metallic fittings to avoid hurting the hand or wrist.

Note the extra strong wide bow swivel hook.

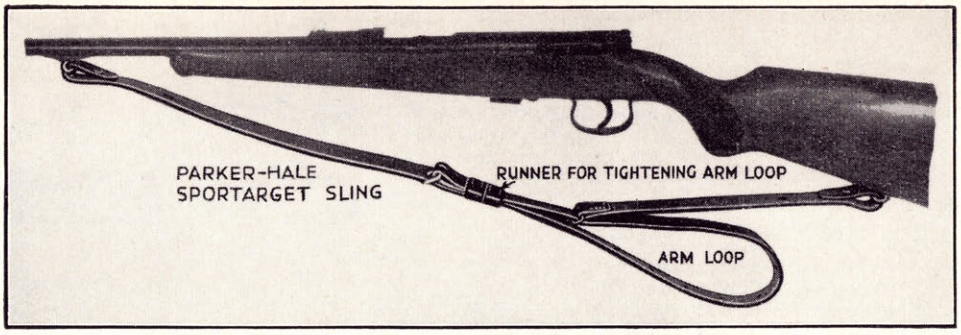
List No. 8070G (*214P*)



List No. 8070H (*214Y*)
Ditto with the "CLOSE-UP" sling attachments.

List No. 8070J (*214IY*)
Ditto, for B.S.A. 'International' Rifle.

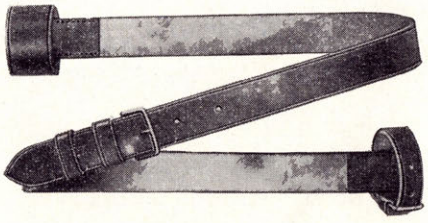
PARKER-HALE SPORTARGET SLINGS



These dual purpose slings are made of the best hide, 1 inch wide and generally as illustrated, but as some rifles call for the use of reduced ends to suit swivels less than 1 inch wide we provide them in the following list numbers.

List No. 8070K (*214AB*). Sportarget sling as illustrated for 1 inch band swivels.

„ „ 8070L (*214N*). 1″ narrow leather with brass buckle for length adjustment, studded ends reduced for ¾″ swivels. Suitable for Browning auto-loading shotguns.



PARKER HALE
SHOT GUN SLING

This adjustable leather carrying sling is attached to the gun by means of a loop round the barrels and a strap fastened round the small of the butt.

List No. 8080 (*SGS 2*)

4471A (2)

PARKER-HALE SLING EYES

The items listed below will prove very useful to all those gunsmiths, amateur or professional who engage in firearm modifications or repairs. The No. 3 Barrel Eye has to be affixed by soldering.

As illustrated, machined from mild steel and chemically blacked.

No. 4471A (2) Butt or Fore-end Eye

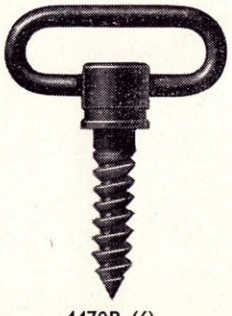
No. 4471C (7) Sling eye with metal screw thread to replace handstop swivel on B.S.A. "International" rifle.

PARKER-HALE SLING SWIVELS

The fittings, as illustrated, are intended for attachment respectively to metal and wood. They are made from mild steel chemically blacked and fitted with wire loops of adequate strength giving a bow to suit slings as below.

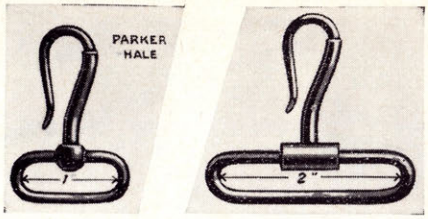
List No. 4470B(6) Butt or fore-end swivel with woodscrew thread. (For 1″ sling).

List No. 4470C (*8*) As for No. 6 but to suit 1¼″ sling.



4470B (*6*)

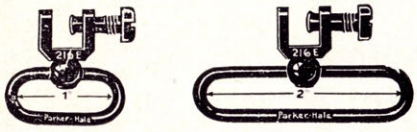
PARKER-HALE SLING FURNITURE



These sling fittings are made of tough steel, the hook having a reinforced shank which helps to keep the fitting in position. It is advisable to adjust the gap, if necessary, so that the hook has to be sprung through the barrel eye to avoid accidental detachment.

List No. 4470D (*216.D*) (up to 2″)
List No. 4470E (*216.L*) (up to 1½″)
List No. 4470F (*216.M*) (up to 1¼″)
List No. 4470G (*216.N*) (up to 1″)

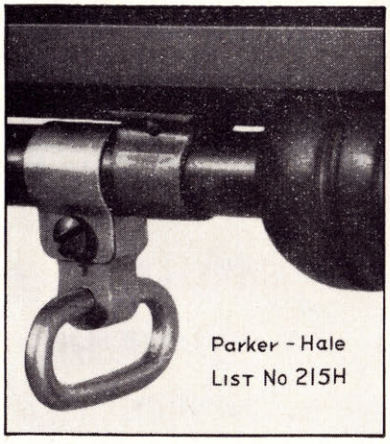
PARKER-HALE 'CLOSE-UP' SLING SWIVELS



For certain types of use, notably with the single point American sling, "Close-up" fitting has an advantage over the hook pattern. It has the same swivelling feature and fits the standard sling eye. The fixing screw is retained to prevent loss. Please state size when ordering.

List No. 4470H (*216.E*) One inch Bow
List No. 4470K (*216.G*) 1½ inch Bow
List No. 4470J (*216.J*) 1¼ inch Bow
List No. 4470L (*216.H*) 2 inch Bow

PARKER-HALE CLIP SWIVEL
(For tubular magazine .22″ calibre repeating rifles)



Rifles of this type are rarely equipped with sling attachments, but this omission can be rectified at minor cost with the Clip Swivel illustrated.

We recommend our No. 6 Butt Swivel to make a matching pair, and the set is completed when a "Sportarget" Sling List No. 214AB is fixed. The sling recommended is designed for steadying or carrying the weapon. The Clip Swivel is available with small or larger clips.

Clip Swivel List No. 4470M (*215.H*)

PARKER-HALE SLING ATTACHMENTS

These items of rifle furniture are provided in a variety but with due regard to any target rifle rules that may be current.

The Swivels shewn hereunder for rifles used under N.R.A. rules are, consequently permitted.

PARKER-HALE REVOLVING SLING SWIVELS

List No. 4470S (*215.E*)

List No. 4470R (*215.F*)

List No. 4470X (*216.F*)

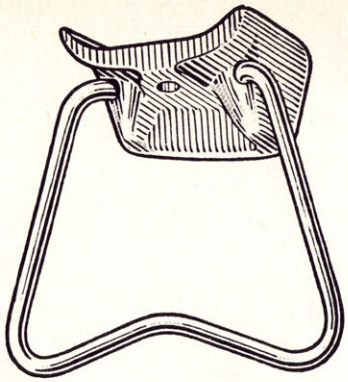
List No.	4470P (*215.J*)	Swivel for No. 4 Rifles, Marks 1 and 2 (to replace front guard screw).
„	„ 4470Q (*215.*)	Swivel for Short L.E. Rifles (to replace front guard screw).
„	„ 4470R (*215.F*)	Swivel for Rifle No. 3 (P'14 Enf.) (to replace front guard screw).
„	„ 4470S (*215.E*)	Swivel for attachment to lugs on certain Short L.E. models.
„	„ 4470X (*216.F*)	1½″ bow with wood screw. Suitable for either butt or fore-end.
„	„ 4470Y (*216.K*)	2″ bow with metal thread. Suitable for fitting to B.S.A. handstop rack.

PARKER-HALE RIFLE REST

The Burke Rest is exactly the same but without the 'celluloid' covering.

List No. 4475A (*228B*)

PARKER-HALE HANDSTOP STANDS



Made to displace the handstop fitted as standard on B.S.A. International .22″ calibre target rifles.

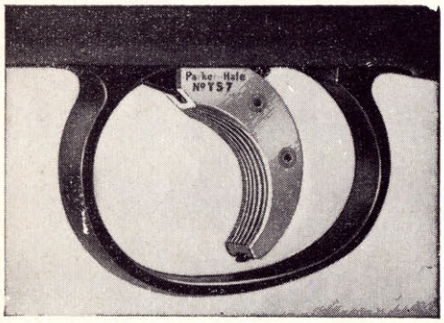
Consists of a handstop jig-drilled to take the hardened and tempered spring steel wire stand as depicted.

We are prepared to accept displaced standard handstops for which we will make a nominal allowance.

List No. 4473A (*HRR 1*) Handstop with Rifle Rest as illustrated for B.S.A. .22″ International model rifles.

PARKER-HALE TRIGGER SHOE

For B.S.A. International rifles



List No. 4050A (*TS 8*) fits B.S.A. International rifles.

Most owners of B.S.A. International target rifles desire to feel under their trigger finger something more substantial than the standard trigger and at the suggestion of several of our customers we have produced the Trigger Shoe illustrated.

No skill is required to fit it or to remove it, and it is firmly anchored with the two neat Allen screws depicted. These fixing screws have the same size of socket as the trigger adjusting screw for which an Allen key is provided by the manufacturers of the rifle.

The trigger shoe is designed so that its fit upon the trigger limits the movement of the latter after striker release, but this feature makes it necessary to remove the trigger shoe whenever the bolt is to be withdrawn completely from the action. This, however, is no real disadvantage in connection with modern .22″ calibre rim fire rifles used with non-corrosive ammunition which do not call for regular cleaning from the breech end.

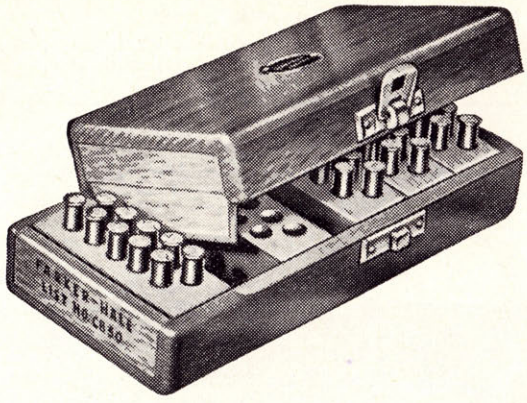
The trigger shoe is machined from solid duralumin, neatly scored and increases the trigger width to a full $\frac{1}{2}$″.

PARKER-HALE WRISTBANDOLIER

A convenient method of carrying 10 .22 cal. rim fire cartridges for sporting purposes, particularly in the case of single shot rifles. The Wristbandolier is made of supple hide, well stitched and grips the cartridges easily with no fear of loss.

List No. 4459 (*PW 1*)

PARKER-HALE 'JUBILEE' CARTRIDGE BOX



In order to comply strictly with the N.S.R.A. rules on the subject of ammunition available during competition shooting, we have produced a combined fifty-shot block and box, that as the illustration clearly shows, provides sufficient ammunition for five ten-shot series while exposing for actual use only ten rounds at a time. (*Since the illustration was prepared, the cartridge holders have been sloped for greater loading convenience*).

The competitor prepares his ammunition by unloading the standard carton into the small wood holders provided prior to taking his place on the firing point.

In the intervals between shoots, he slides a fresh block of ten cartridges to the exposed end of the box and replaces under the lid the emptied block. The exposed block cannot fall out of the holder, nor can it be moved until the lid is opened to release it.

The design necessitates a fairly high price for the article but the material and workmanship employed are such as to render years of good service and maximum convenience to the marksman.

List No. 4462 (*CB.50*)

HARDWOOD CARTRIDGE BLOCK .22" l.r.

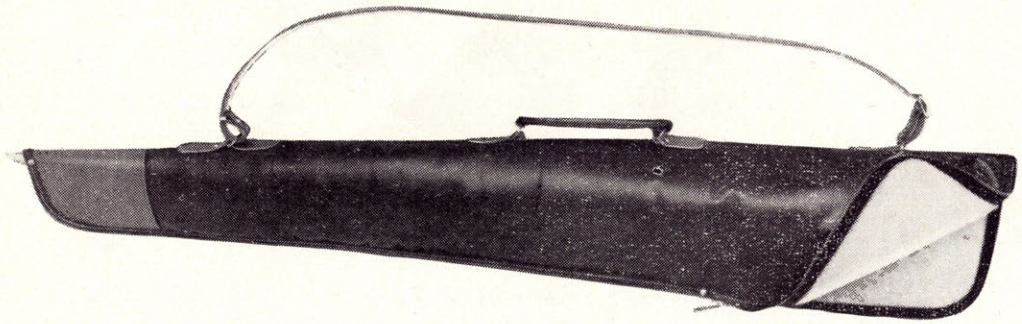
For competition use under N.S.R.A. conditions, we provide at minimum expense a heavy wood block $4\frac{1}{4}" \times 2" \times 1"$ deep, drilled with ten holes for .22" r.f. cartridges.

List No. 4464 (*CB.22*)

RIFLE COVERS

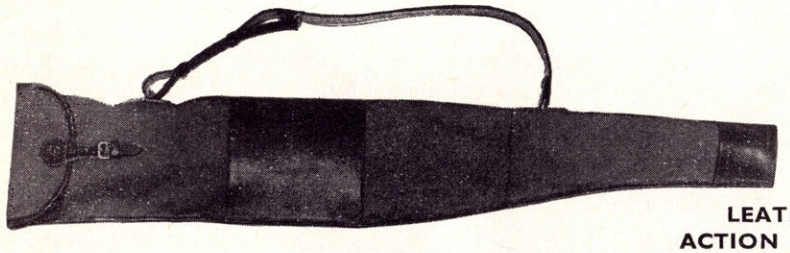
Every Target Rifle – or for that matter any Rifle – needs a cover to protect it from dust and damp when not in use and also from the elements when being carried.

The covers offered below will afford complete protection to your Rifle, being made from high quality canvas, leather bound, they will give lasting service and satisfaction.



NEW FIELDSMAN RIFLE/SHOTGUN COVER

This extremely handsome cover in simulated leather unzips a quarter of its length for ease of handling. A fleecy lining is provided for extra protection when the going is rough. It is produced in an appealing shade of olive and has a tan coloured nose cap. Fitted with a sling and carrying handle.
In sizes 46″ and 48″. List No. 8016

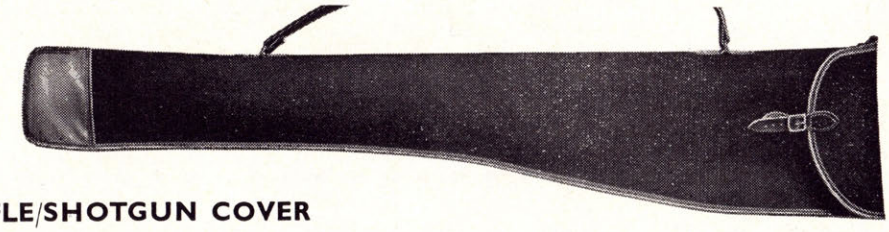


LEATHER NOSE-CAP, ACTION PATCH AND SLING

List No. 8010A (*GRC.2*) Length 45″ Max. Width 8″

LEATHER NOSE-CAP AND SLING

List No. 8010B (*GRC.3*) Length 45″ Max. Width 8″



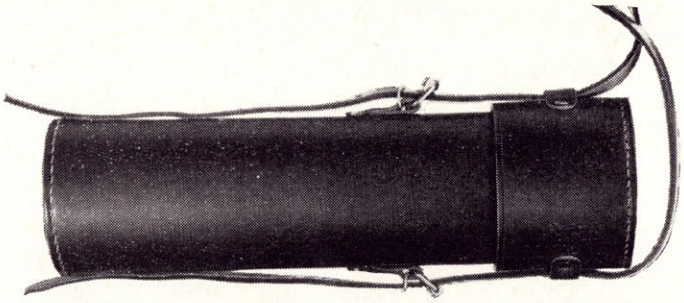
RIFLE/SHOTGUN COVER

This most inexpensive cover is produced in an attractive simulated canvas of a rich brown colour. It is suitable for a rifle of up to 47″ in length (or an average size shotgun) and has a flat nose cap and binding, produced in imitation leather.

List No. 8011 (*GC.47*)

FIELDSMAN

FIELDSMAN 'SCOPE CASES

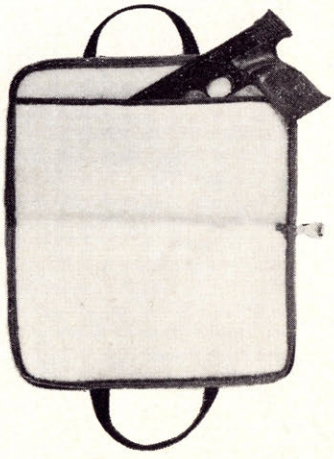


This superior, solid blocked 'scope case made in best quality leather throughout affords total protection in the transportation of a telescopic sight. It has a protective inner lining and its depth of cover permits it to be used for most popular sizes of 'scopes complete with mounts. Fitted with an adjustable carrying strap.

List No. 8075

PARKER-HALE HANDGUN CASE

Size when closed: 7" x 13"



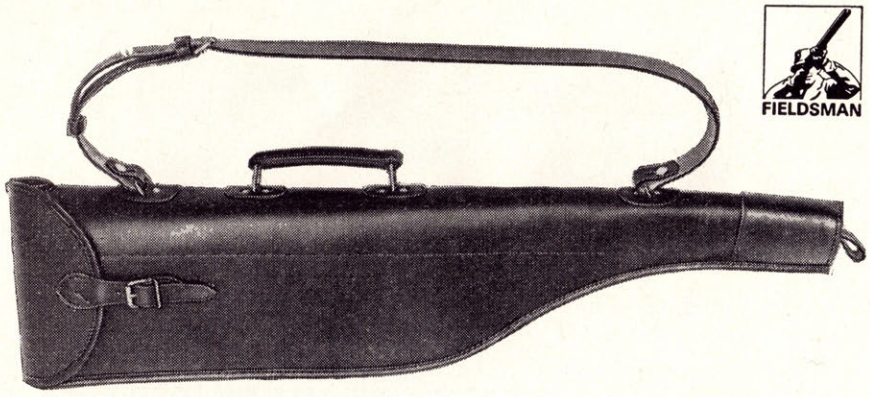
The new Parker-Hale Handgun Case is produced in simulated black leather with a fleecy lining, padded with foam rubber. This handy case affords the maximum protection possible. Finished with a reliable zip which allows the case to be opened flat.

List No. 8031 (*HGC 1*)

PARKER-HALE
SHOTGUN
COVERS

Presenting

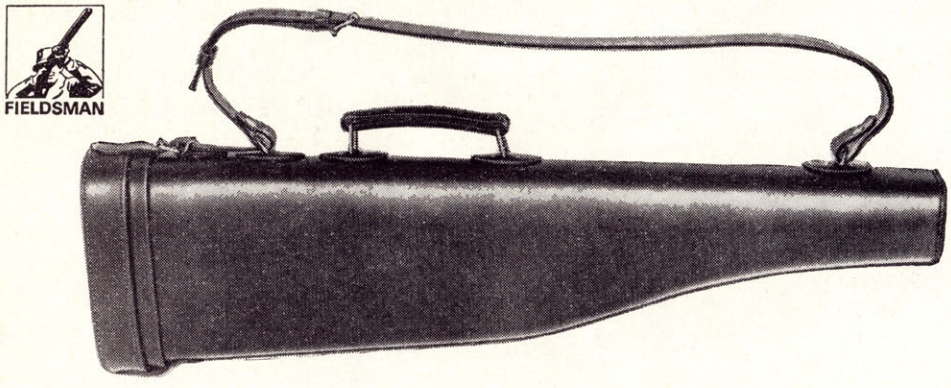
FIELDSMAN ALL-LEATHER AIDS



THE FIELDSMAN LEG OF MUTTON COVER

This handsome accessory is produced in high quality leather for a lifetime of service. Additional leather nosecap for extra protection. Fitted with a strong sling and handle. Outstanding value.
Length: 32″

List No. 8022



THE FIELDSMAN SOLID BLOCKED LEG OF MUTTON COVER

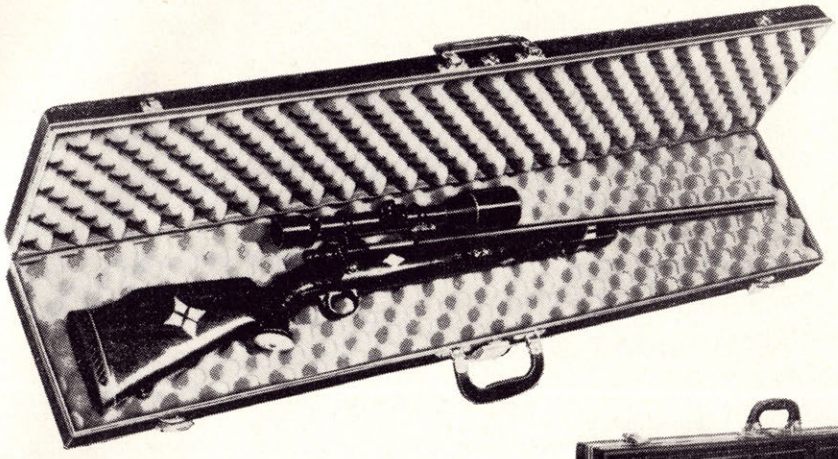
Beautifully made in heavy quality leather, this superb cover is of a rigid nature, with a hinged lid. Fitted with a strong sling and handle. A superb accessory at a very reasonable price.
Length: 30½″

List No. 8023

CHALLENGER GUN CASES

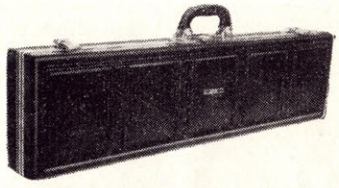
The American firm of Challenger have taken the newest design ideas, materials and production techniques to make a number of commendable advances and improvements in the field of gun case design. The Challenger products shown here have been created and field-tested by a panel of experts.

Cases are supplied complete with a small pocket knife to enable the foam interior to be cut to accommodating shapes for the insertion of accessories, if desired.



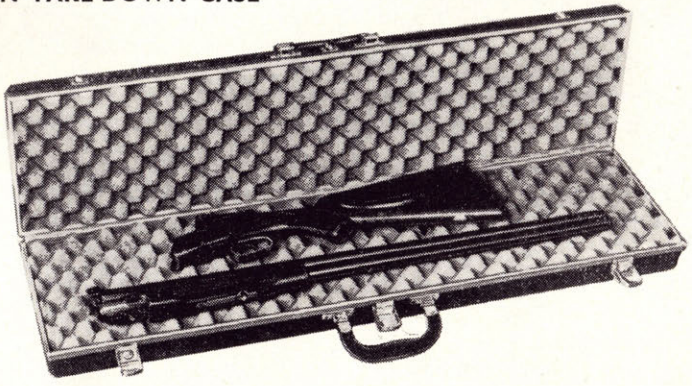
THE CHARGER
RIFLE OR SHOTGUN CASE

This excellent case has a tough, weather and knock-resistant exterior and an interlocking foam interior in Moss Green providing outstanding protection for your gun. The rust-proof fittings provide a dust-tight, water-resistant seal. Three positive draw bolt locks, rigid metal bound double handle. Wood grain trim in Forest Brown.



Dimensions when closed:
49″ × 9½″ × 4″ deep.
List No. 8035

THE DIAMOND-BACK
SINGLE GUN TAKE-DOWN CASE



This convenient, lightweight case has all the noteworthy design features of the Charger and is ideal for carrying a single shotgun broken down. Fits all doubles, O/U's, pumps and automatics.

Dimensions when closed:
36½″ × 10½″ × 4″ deep.
List No. 8036

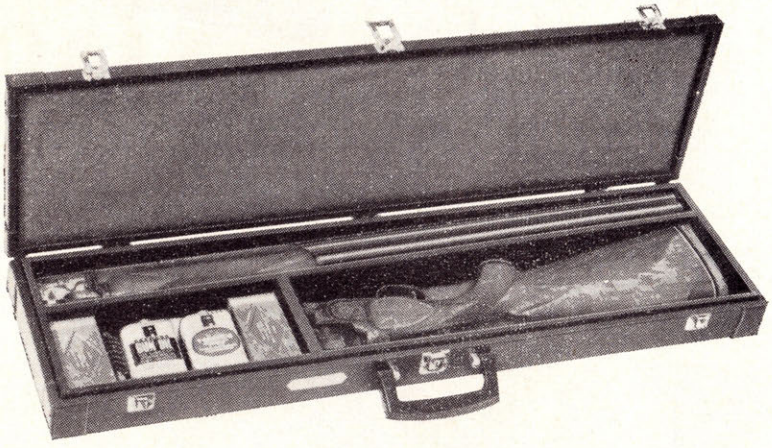
THE MARKSMAN TWO PISTOL AND GENERAL PURPOSE CASE

Ideal for carrying two target pistols. A handsome piece of sporting luggage that is economically priced. Apart from the transportation of pistols this handy case is suitable to carry cameras or other expensive precision equipment.

Size when closed:
14″ × 9″ × 4″ deep.
List No. 8037

FIELDSMAN COMPARTMENT CASES

These superb new Fieldsman Compartment Cases, produced of modern materials, which impart a most distinctive appearance, are offered **at realistic prices**. They will accommodate most popular side-by-side and over-and-under guns with barrel lengths of up to 30″ and each has a handy spare compartment, at left, for cleaning equipment or other gear. Fitted with chromium finished plates for owner's name or initials.



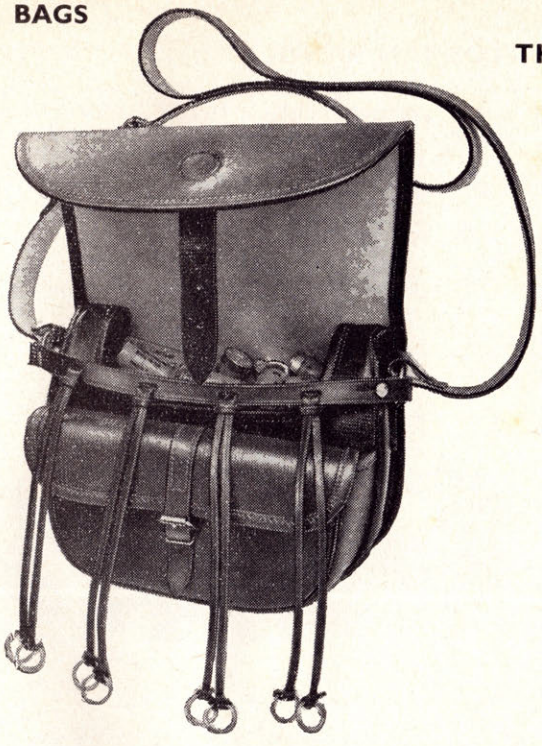
Model 30 De Luxe

Strongly made of wood with grained black P.V.C. covering and leather corner pieces which provide extra reinforcement. Deeply lined with red simulated fur, foam backed for extra support with compartment divisions in black baize. Three sturdy locks, new-shape central carrying handle. Dimensions: 2′ 8″ × 10″ × 2¾″. Weight: 5lb. 10oz. List No. 8044

Model 30 Standard (*not illustrated*)

Strongly made of wood, with grained, black P.V.C. covering. Leather corner pieces provide added reinforcement. The compartments are lined with a Melton baize of deep red colour and the main compartment is fitted with a retaining strap. Three sturdy locks; strong, new-shape central carrying handle. Dimensions: 2′ 8″ × 10″ × 2¾″. Weight: 5lb. 5oz. List No. 8045

THE FIELDSMAN RANGE



THE FIELDSMAN BELTED CARTRIDGE CARRIER

This very practical cartridge carrier permits quick, easy access, whilst leaving the shooter freedom of movement. The pouches, each carrying up to 50 cartridges, are strongly made in simulated leather of a dark brown colour.

List No. 8057

THE FIELDSMAN CARTRIDGE BAG & GAME CARRIER

This strongly made all leather cartridge bag really makes the most of a small area. Its main compartment will carry 50 cartridges, whilst the handy extra compartment at the front will convey small accessories, or additional ammunition.

Fitted with an eight bird game carrier, (detachable) and shoulder strap. Folding to a closed size of only $8\frac{1}{2} \times 9\frac{1}{2}$. A first class accessory for a lifetime of service.

List No. 8056

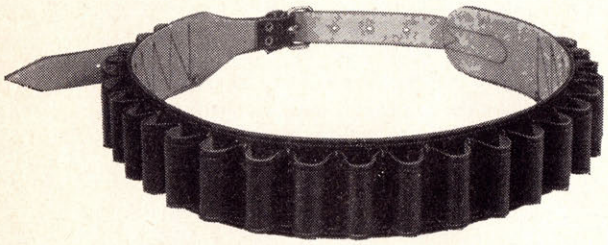
THE NEW FIELDSMAN CARTRIDGE BAG

This popularly-priced cartridge bag is produced in simulated leather of a practical dark brown colour. It will hold 50 cartridges in its main section and has 2 generous extra compartments at front for additional equipment. Fitted with a retaining strap and carrying sling.

List No. 8058

THE FIELDSMAN RANGE

The Fieldsman range of cartridge belts represents the finest value on the market today. All with 25 closed sockets. State list number and cartridge size when ordering.

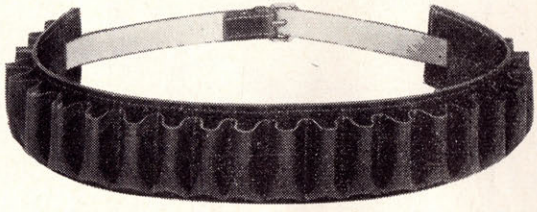


FIELDSMAN SIMULATED LEATHER BELT

This inexpensive belt has a leather backing with simulated leather outer. Extremely good value at its low cost. In 12, 16 and 20 gauge. List No. 8054

NEW FIELDSMAN BEST LEATHER BELT

This superb belt in heavy quality leather has open sockets and is fitted with a stop bar to retain cartridges. Outstanding quality for the discerning shooter. In 12 gauge. List No. 8051



THE FIELDSMAN GAME BAG

This well-made and capacious game bag represented one of the most admired exhibits at the 1966 Game Fair at Chatsworth. It is produced in a tough resilient, plasticised material with 2 large compartments and an extended fronted net providing adequate capacity without bulk: the whole is well secured by a retaining strap. Fitted with an adjustable carrying sling. Approximate dimensions when closed: 12″ × 17″ × 4″ Weight: 2lbs. 4ozs.

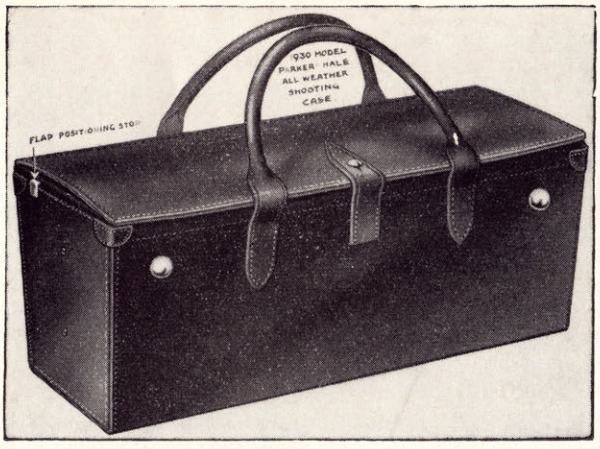
A highly practical accessory which represents excellent value for money. List No. 8046

FIELDSMAN GAME CARRIER

This handy accessory is invaluable for the game shooter who prefers to be free of a game bag as such. It has a spring clip fitting for belt attachment and is equipped with 10 thongs which are contained on good quality leather strips of dark brown.

List No. 8047

PARKER-HALE "ALL-WEATHER" SHOOTING CASE



This design of case shows how neatly and compactly all the normal requirements of the Bisley rifleman are stored for easy transport to the firing point.

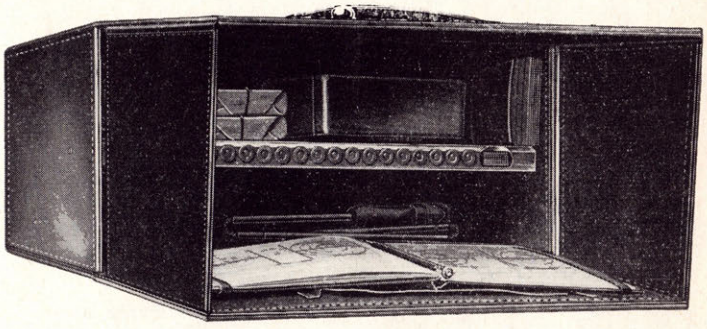
Below the same case is shown in the firing position with the Score Book shielded from the weather, yet instantly to hand. In the middle partition 17 cartridges are disposed ready for use but well protected against rain. Pockets for range tickets, bullet lubricant and other shooting necessities are provided and the compartments of the case are adequate to house the rifleman's scope, stand and cleaning gear if one of our jointed rods is favoured.

Amongst its many features, probably the most important is the provision of side flaps which support the "roof" of the case in the open position, for with the case lying close to the shooter's right elbow it is possible to shield the action of the rifle during unloading and reloading. Most handy in the rain.

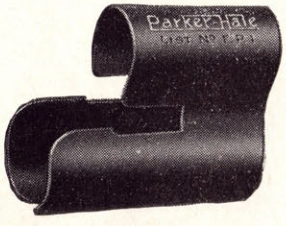
Made throughout of solid leather with wooden division and strengthened inside with fibre board.

Length 16½" Maximum width 7½"
Depth closed 7" Unladen wt. 5 lbs.

List No. 8040 (*H.3*)

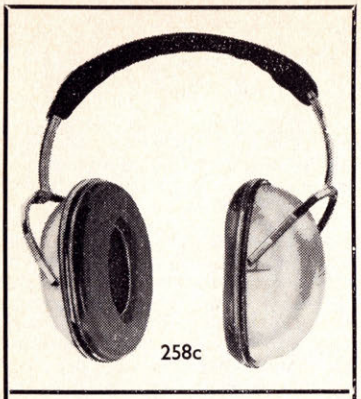


PARKER-HALE SPRING STEEL FORESIGHT PROTECTOR



Suitable for most .22" calibre sporting rifles, it prevents damage to the bead should the rifle be accidentally dropped. The spring steel hood is designed to allow an adequate field of view through the protector to avoid constant removal and replacement.

List No. 8010C (*FP.1*)



258c

153

WILLSON EAR PROTECTORS

These well made American protectors have fluid filled ear seals which give extreme comfort for long periods of wear. Available in 2 types:

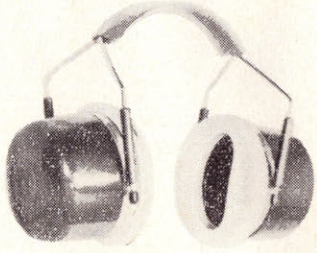
The "Sound Silencer" model, fitted with a top head band.
List No. 8577 A (258c)

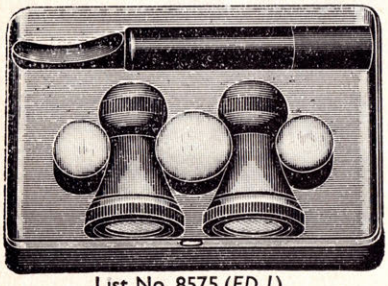
An alternative version of the "Sound Silencer" is fitted with a black band spring.
List No. 8577 B (153)

SMITH & WESSON "SOFTONE" HEARING PROTECTOR

This protector has easily adjustable telescopic suspension and can be worn either over the top of the head or behind the head or even over a shooting cap. Cushioned headband. Earcups seal out concussion yet enable the wearer to hear the firing line commands.

List No. 8580





List No. 8575 (*ED.1*)
Mention size when ordering.

MALLOCK-ARMSTRONG EAR DEFENDERS

There are seven sizes of Defenders as follows:—

			dia. of bulb
*	00	**Extra Small**	32″
	0	**Small**	36″
	1	**Medium** (normal)	38″
	2	**Large**	40″
	3	**Extra Large**	42″

*This range of sizes practically covers the dimensions of any ear-orifice.
Sizes 1, 2, 3, and 4 are denoted by rings on stem. Sizes 0, 00 and 000 are denoted by rings on bulb.

SONEX EAR DEFENDERS

Comfortable protection can be obtained with Sonex Ear Defenders which are inexpensive and easy to use. These are plugs of soft synthetic rubber with a single curved flange at the medial end. The lateral extremity has a small 5 m.m. square tab confluent with the rim to facilitate removal. Of about 1 c.m. in length (excluding tab), 1 c.m. in diameter, Sonex Ear Defenders are available in SMALL, MEDIUM and LARGE sizes. List No. 8574

State size required.

The Flintwear range of Shooting Jackets are good examples of well tailored British shooting apparel offering newest innovations, comfortable styling and value for money. Each of the jackets shown incorporates features specified by Parker-Hale.

HUNTING/FISHING JACKET

This magnificent jacket in 5oz. Dunloprufe waterproof nylon, made to Parker-Hale specification, combines outstanding design features with total waterproofing and superb styling. It is double lined for complete insulation with nylon mesh and nylon. When combined with the Flintwear overtrousers shown in the photograph (and described below) it makes the perfect "beat the weather" outfit for the shooter or fisherman. Two large multi-purpose pockets and one breast pocket with flap. Velcro fasteners are used on all pockets, on the fly front (in addition to an extra strong double zip) and on cuffs of sleeves thus providing a draft-proof seal. One large (13″×9″) detachable inside pocket with stout zip and press studs and one inside breast pocket with flap. Fitted with an adjustable belt.

In sizes 36″ – 44″ (incl.)

List No. 8085

OVERTROUSERS

These well-made overtrousers produced in 5oz. Dunloprufe waterproof nylon team up excellently with the Hunting/Fishing Jacket with which they ensure complete protection. Provided with a draw-cord fastening, buttons for braces. In Small, Medium or Large.

List No. 8085A

SKEET VEST

This well tailored garment has been specially designed to Parker-Hale specification and is produced in good quality, shower-proof poplin. It has two generously cut cartridge pockets with protective leather patchs at entrance to pockets. Handy breast pocket with flap above which are positioned two cartridge sockets. Leather shoulder piece. V-neck styling with zip front.

Colour: green

In sizes 36″ – 44″ (incl.) Right and left hand.

List No. 8086

SKEET JACKET

This well styled shooting jacket, specially designed for Parker-Hale, has two generously cut cartridge pockets with protective leather patches at entrance to pockets. Breast pocket with flap, two cartridge sockets.

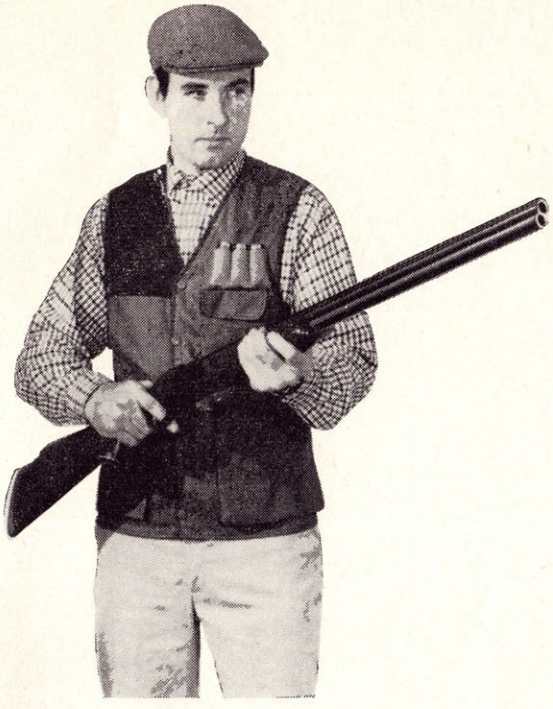
Leather shoulder piece. Two vents and elasticated inner band at rear allow extra freedom of movement. Rounded collar with button-through front.

Colour: green.

In sizes 36″ – 44″ (incl.) Right and left hand.

List No. 8087

NEW FIELDSMAN SHOOTING VESTS



Parker-Hale have chosen carefully from the output of Continental manufacturers to bring you these two new Fieldsman Vests which are highly functional and possibly the most inexpensive on the market today. Today's shooting men will welcome these Fieldsman vests: they are feature-planned to give maximum satisfaction.

Fieldsman Model DS Vest

A most inexpensive shooting vest produced in a denim-type material with shoulder piece. At the front there are two large cartridge pockets and one buttoned-down breast pocket above which are three easy-access closed cartridge sockets. Two handy general purpose pockets at rear. Adjustable side straps. Button-down type with five positive-locking press-studs.
Small: List No. 8094; Med.: List No. 8095, Large: List No. 8096.

Fieldsman Model H Vest

This many-featured canvas shooting vest, at a very low price, has a padded shoulder piece and generous cartridge pockets the flaps of which conceal two sets of elasticated, closed cartridge sockets. These are additional to the sockets which can be seen mid-way at both left and right (making an overall total of 22 sockets). Produced in hard wearing canvas, in light tan. Fitted with a strong zip. Equipped at rear, with a large rubber-lined game compartment which may be unzipped.
Small: List No. 8097; Med.: List No. 8098, Large: List No. 8099

Vests are available in Large, Medium and Small sizes and, unless otherwise specified, vests for right handed shooters will be supplied (optional for DS but right hand only for H)

FLINTWEAR

Flintwear hats combine traditional elegance with today's finest materials to bring you hats that not only look good but also stand up to the roughest shoot you're likely to encounter.

SKEET CAP

This distinctive cap in top quality 5oz. Dunloprufe is proving very popular amongst clay bird shooters around the country. It has four vent holes and is now finished with white braid (not shown).
Colour: green.
In small, medium and large.

List No. 8082

SHOOTING AND FISHING CAP

This traditional cap in hard wearing 5oz. Dunloprufe is available in jungle green. It has two vent holes and is available in small, medium and large.

List No. 8083

DEERSTALKER HAT

This distinguished hat has classic styling with ear flaps and is produced in 5oz. Dunloprufe. It has four vent holes and is available in small, medium and large.
Colour: green.

List No. 8084

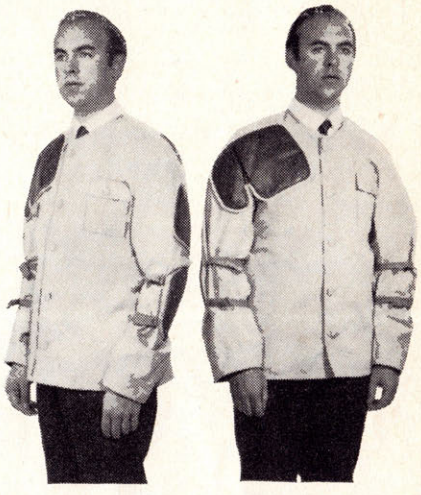
PARKER-HALE PROTECTIVE CLOTHING

Range shooting may not, at first, appear to demand anything unusual in the way of protection for one's ordinary clothes, but it is remarkable how much actual wear occurs at elbows and shoulders during a Season's practice.

For this reason, because some shooters derive an unfair advantage through the use of unnecessary padding, N.R.A. and N.S.R.A. rules regulate the extent of the protective clothing which may be used in their competitions.

The articles which we list below do not contravene existing regulations that relate to areas and thicknesses of padding.

SHOOTING JACKETS



Target shooting is essentially a type of sport where every item of equipment must be right for the job. When the only score that stands a chance is the "highest possible," it pays to study the finer points of comfort on the firing point, we refer particularly to that degree of comfort necessary to extensive and intensive efforts at shooting meetings.

From long experience we can fully approve and recommend these Jackets designed as they are by and for Club riflemen.

Made in stout cotton gabardine or weatherproof "Flintwear" material to suit indoor and outdoor shooting conditions, they are ideal both for smallbore and fullbore enthusiasts, care having been taken to conform both to N.S.R.A. and N.R.A. rules on the subject of padding.

The design permits ample freedom of movement in all shooting positions and allowance has been made in the body size for the jacket to fit comfortably without constriction over suitable under-clothing.

The high quality material known as "Flintwear" was chosen by the members of the successful Everest team and Sir Vivian Fuchs Transantarctic expedition, being particularly lightweight, water-repellent and windproof while allowing the body to breathe and avoiding uncomfortable condensation. The protective patches employ a selected sponge rubber of the right texture, neatly covered with soft chrome leather that feels just "right" having admirable non-slip quality, a comfort long sought by riflemen.

Made in chest sizes — 32″ — 34″ — 36″ — 38″ — 40″ — 42″ — 44″ — 46″

Flintwear Shooting Jacket 32″—42″ List No. 8090A (*SJ 1*); 44″—46″ List No. 8090B (*SJ 1*).
Gabardine Shooting Jacket 32″—42″ List No. 8090C (*SJ 2*); 44″—46″ List No. 8090D (*SJ 2*).

PARKER-HALE TARGET SHOOTING GLOVE

Approved by the N.R.A.

Made of soft chrome leather with a well padded back to protect the hand from sling pressure, and to act as a buffer against the hand stops mainly used by target riflemen.

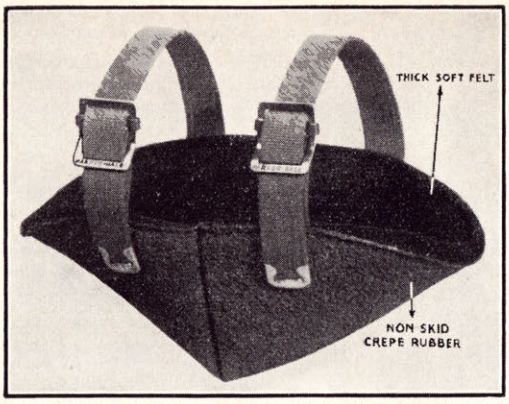
List No. 8065 (*TGG 1*) for right hand shooter.
" 8065A (*TGG 2*) for left hand shooter.

PARKER-HALE "RUBBAFELT" ELBOW PADS

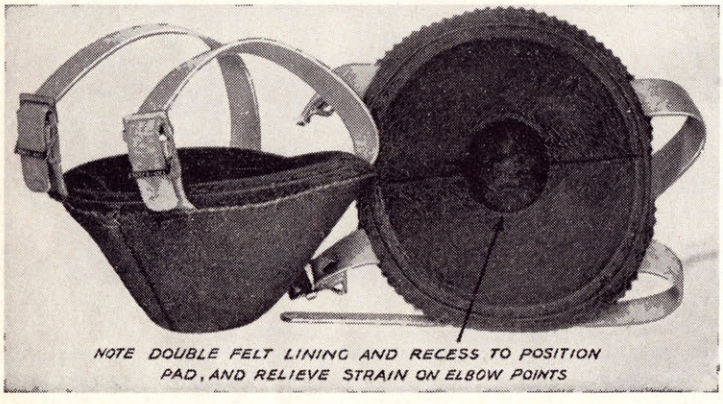
These are made of **thick soft saddle felt** covered with **crepe rubber** of **uniform thickness throughout**.

This construction is equally suitable for soft or hard firing points. The absence of reinforcement pieces about the centre makes for comfort, the softness of the felt prevents any rolling tendency, while the tough outside covering is **waterproof** and **anti-skid**.

List No. 6550 (*218.Q*)



PARKER-HALE "SAVESORE" ELBOW PADS



This pad is built on the same lines as the "Rubba-felt" model but it has the additional improvement of an extra felt lining perforated at the centre to relieve the pressure on the point of the elbow.
List No. 218W.

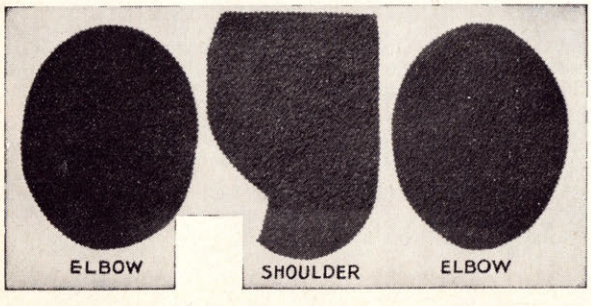
As the "Savesore" feature is only usually needed on the elbow which supports the fore-end of the rifle it is better and more economical to use the single lined "Rubba-felt" pad on the other elbow. We therefore offer a pair made up of one of each type.
List No. 6550B (*218.X*)

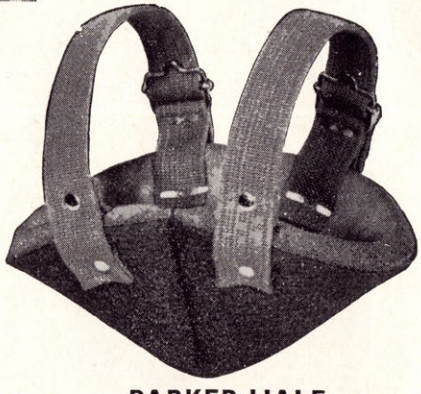
PARKER-HALE CREPE-SORBO ELBOW PADS

These are made of a rough grained crepe rubber exterior vulcanised to a sorbo cellular rubber lining, cup shaped to fit the elbow and give a tenacious grip with maximum comfort.

The web straps are now neatly stitched and include quick action fasteners.

List No. 6550C (*218.U*)





PARKER-HALE NON-SLIP COAT PATCHES

These are made of synthetic rubber, complying with the latest N.R.A. rule which permits coat patches not exceeding 8" nor more than $\frac{1}{2}$" in thickness to be sewn on the outside of coat at the elbows and shoulders, etc.

Shoulder Piece List No. 6551 (*218.S*)
Elbow Piece List No. 6551A (*218.V*)
Set of three. List No. 6551B (*218.T*)

PACHMAYR RECOIL PADS

Manufacturer's Remarks

The exclusive design of the Pachmayr recoil pad absorbs MAXIMUM recoil shock. These pads are made of a scientifically compounded Neoprene rubber which is not affected by oil, solvent, water or the elements. They will never harden with age or in severe cold weather nor will they become soft in extreme heat.

A style, and a size for your every need.

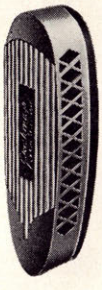
The models listed below are available in red. Approx. weight 8 ozs.

Approx. sizes	Length	Max. Width	Thickness
Jumbo	$5\frac{5}{8}''$	$2''$	$1''$
Large	$5\frac{1}{4}''$	$1\frac{7}{8}''$	$1''$
Small	$5''$	$1\frac{7}{8}''$	$1''$

FIELD MODEL

Shape, construction and hardness are the result of years of professional experience and field testing of various models of pads. While first designed for shotguns, this Field Pad is equally efficient on larger calibre rifles for minimum recoil effect as well as providing a non-slip surface against shoulder.

List No. 8571A (*JF 325*)
List No. 8571B (*LF 325*)
List No. 8571C (*SF 325*)



SKEET MODEL

This design is based on exhaustive testing by top skeet shooters and professionals, resulting in a superior shaping that has the "right" feel necessary for both comfort and fast gun handling.

List No. 8571D (*JS 325*)
List No. 8571E (*LS 325*)
List No. 8571F (*SS325*)

SMOOTH MODEL

Smooth model recoil pads are made in both Skeet and Field models. They are of the same design and construction as described except that they have a smooth shoulder surface.

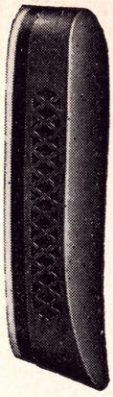
List No. 8571G (*LFMS 325*) Large size, smooth (Field Model)
List No. 8571H (*SFMS 325*) Small size, smooth (Field Model)
List No. 8571J (*LSMS 325*) Large size, smooth (Skeet Model)

TRAP MODEL

Trap shooting requires a different shape in a recoil pad for accurate repeated shoulder positioning and maximum recoil reduction. First choice of Trap Champions everywhere.

List No. 8571K (*JT 325*)
List No. 8571L (*LT 325*)
List No. 8571M (*ST 325*)

PARKER-HALE "SAFARI" ANTI-RECOIL PADS



8570 (*RP 3*)

These pads are designed to conform with the requirements of big game shooters, but they also improve the appearance of rifles and shot guns.

Being made of a tough but resilient red rubber with a white line spacer vulcanised to a black heel plate of hardened rubber of a texture that will conform to either a flat or slightly curved surface to which it is attached by two screws, the heads being embedded and hidden from view, without the need for rubber plugs.

The lattice pattern moulding cushions the weapon on recoil and the pad otherwise prevents butt slip.

Available in two standard sizes, these Anti Recoil Pads are intended to be "made-off" to the existing butt shape by careful application on a coarse carborundum wheel.

List No. 8570 (*RP 3*) "Safari" Anti Recoil Pad $5\frac{1}{2}'' \times 1\frac{13}{16}''$ maximum width.
„ 8570A (*RP 4*) "Safari" Anti Recoil Pad $4\frac{7}{8}'' \times 1\frac{9}{16}''$ maximum width.

8572 (*RP 5*)

PARKER-HALE RUBBER BUTT PLATE

Acknowledgement must be given to the makers of the genuine Silver's Anti Recoil Pad, since this pad now produced with an all flat surface to the vulcanite plate is an obvious copy.

In its present day form the plugged screw holes have been abandoned in favour of fully shrouded cavities which permit the fixing screws easy passage through the thin surface rubber which closes over them and hides the fixing screws from view.

List No. 8572 (*RP 5*) Anti Recoil Pad (not precisely as illustrated) $5\frac{1}{4}'' \times 1\frac{13}{16}''$

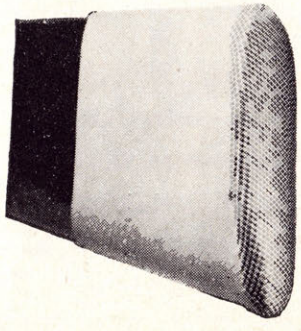
Made of hard vulcanite and resilient red rubber firmly bonded. May be shaped by grinding.

PARKER-HALE RIBBED RUBBER BUTT SHOE

Does not lengthen the butt appreciably but absolutely prevents any tendency to slip. Very comfortable.

Give make and model of rifle when ordering.

List No. 8569 (*RP 22*) for B.S.A. Target Rifle.
„ 8569A (*RP 1*) as above, but fitted with thick resilient recoil pad inside for shotguns.



These clay pigeons are made to F.I.T.A.S.C. standards. Consistently good quality. Designed to withstand normal handling but to break when hit by only a few shot pellets.

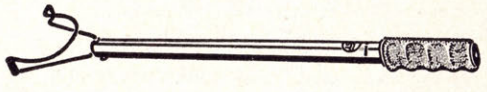
Clay pigeons are packed in boxes of 10 and outer cartons of 200.

THE WEBLEY TARGET LAUNCHER

The hand-held Webley Target Launcher uses the Webley .22 long blank cartridge to loft old beer cans and other similar tins well over 60 feet up and provide realistic practice for expert or beginner. If a piece of rabbit skin is tied to the tin you have an ideal dog training device at low operating cost. This safe, simply operated launcher provides useful practice for clubs and shooting enthusiasts.

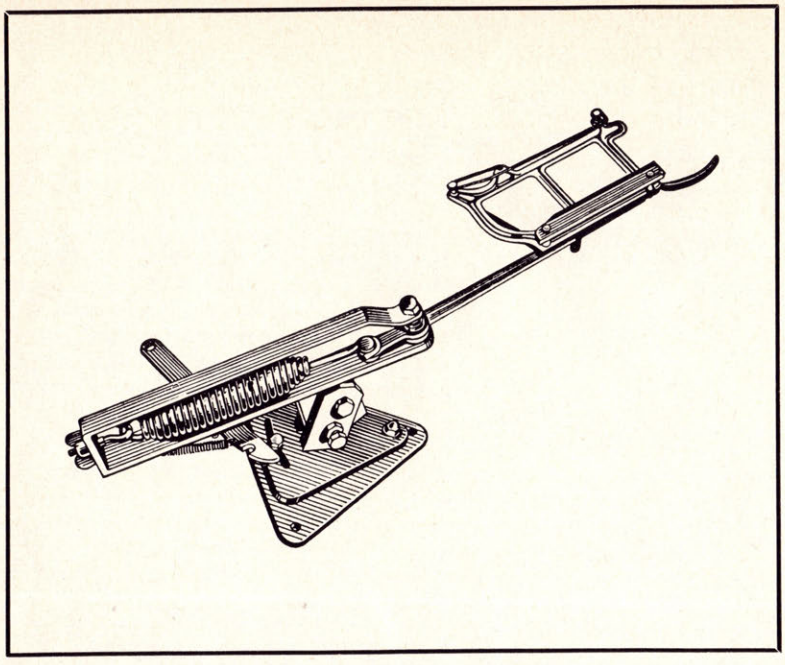
List No. 8961

THE ELEY HAND FLINGER



A simple hand-held pigeon thrower that enables many types of shot to be practiced with very little preparation. It is light to carry, easy to use and projects good 'birds'.

N.B. A descriptive leaflet is included with each ELEY trap. List No. 8960



THE ELEY MINOR "K" CLAY PIGEON TRAP

The Eley 'Minor' Model K Trap retains all the good features of its predecessor but, because of its all steel construction, is more robust, simpler to instal and easier to maintain.

Efficient, compact and handy, the 'Minor' Model K trap throws single clay targets about 65–70 yards (60–65 m). For the individual or the small club requiring an installation at moderate cost, the 'Minor' Model K trap is particularly suitable. It is also recommended for use in Skeet trap houses. List No. 8941

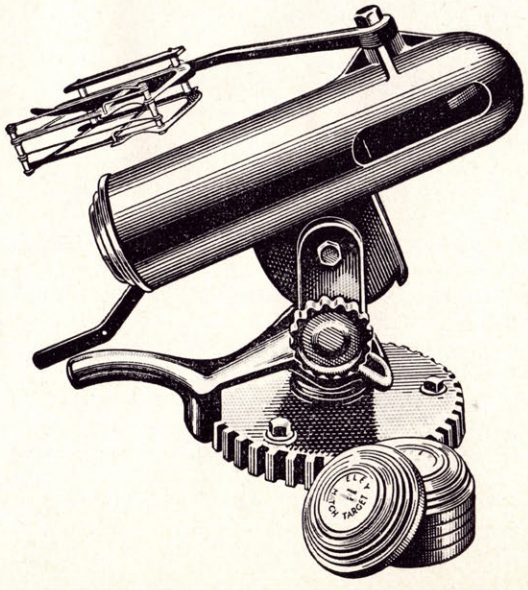
THE ELEY "PLUS" CLAY PIGEON TRAP

Designed to throw either one or two clay pigeons from the same throwing arm, this trap provides a great variety of bird flight without the need for continual adjustment to the mechanism. A feature of the trap is that it automatically half-cocks itself – a considerable saving in effort.

Single targets can be thrown about 70 yards (64 m.) and double targets (pairs) about 60 yards (55 m.) at all angles and elevations. Double targets can be made to travel together or up to a diverging angle of forty degrees.

The 'Plus' trap can be adapted for 15 trap trench layouts and shooting under I.S.U. and F.I.T.A.S.C. regulations by using an International Carrier which will throw the fast single target required.

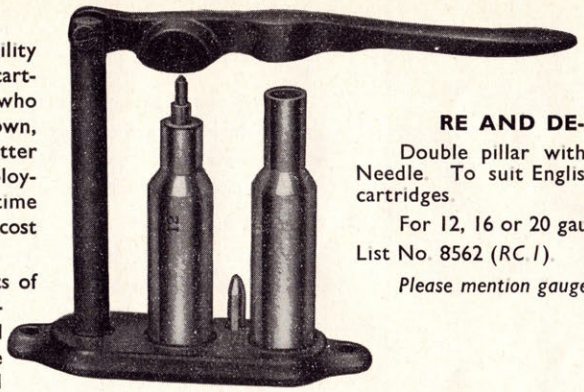
By mounting the trap on its side and substituting a **Rabbit** rail for the standard carrier rail, it is possible to bowl clay rabbits.
A **Rabbit** rail is included with each trap.
List No. 8941A



LOADING IMPLEMENTS

Despite the ready availability of factory loaded shot gun cartridges, there are many who prefer to reload their own, either because they get better results or because the employment of their own spare time effects a reduction in the cost of shooting.

To those in remote parts of the Commonwealth, reloading facilities become a real necessity and we therefore offer the under mentioned Implements with confidence in their suitability to their individual functions.



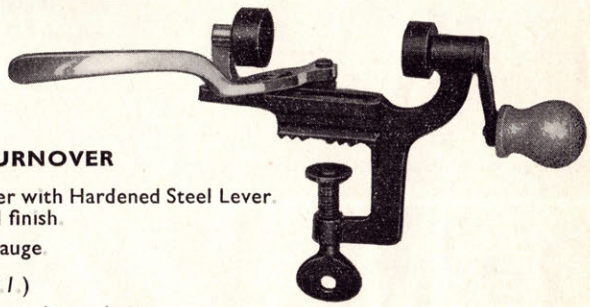
RE AND DE-CAPPER

Double pillar with spare De-capper Needle. To suit English and Continental cartridges.

For 12, 16 or 20 gauge.

List No. 8562 (*RC 1*).

Please mention gauge when ordering.



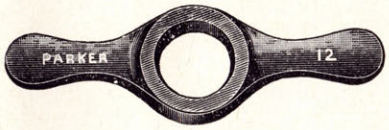
TURNOVER

Cartridge Turnover with Hardened Steel Lever Bench Clamp japanned finish.

For 12, 16 or 20 gauge.

List No. 8563 (*TO 1*.)

Please mention gauge when ordering.



PAPER CARTRIDGE RESIZER

Steel resisting tool for hand use (as illustrated). Blue finish—all sizes from .410″ to 10 gauge. Specify gauge required when ordering.

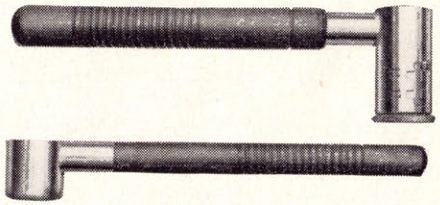
List No. 8564 (*RST 1*).

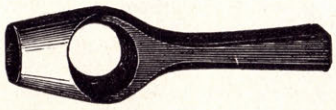
POWDER AND SHOT MEASURES

Powder Measure, brass with Birch handle.

12 gauge only.

List No. 8565 (*PM 1*)





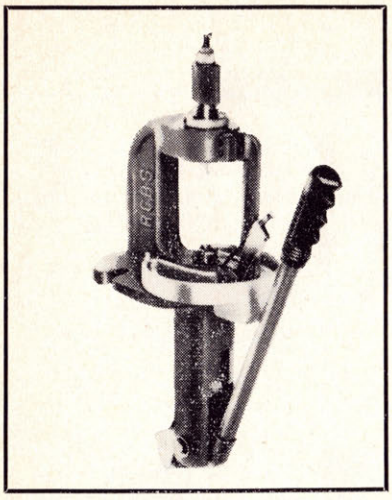
STEEL WAD PUNCHES

Best Cast Steel. For 12, 16 or 20 gauge.

List No. 8566 (*WP 1*)

Please mention gauge when ordering.

R.C.B.S.



RELOADER SPECIAL

This well-made reloader includes a "JR" Press together with your choice of one set of RCBS Reloading Dies which are available in most popular calibres. *Specify calibre when ordering.*

This press is a rugged cast iron frame of the "O" design and has the advantage of having no whip in the frame as experienced on some "C" design presses. The ram and primer arm are precision aligned for straight seating, essential for consistent loading. Precision engineered to those tolerances.

The Primer arm is fully universal permitting the press to be converted to another calibre after purchase of an extra shell holder and set of dies. List No. 8557

POWDER TRICKLER

Very useful for making experimental loads to exact Powder weight. List No. 8558

POWDER MEASURE

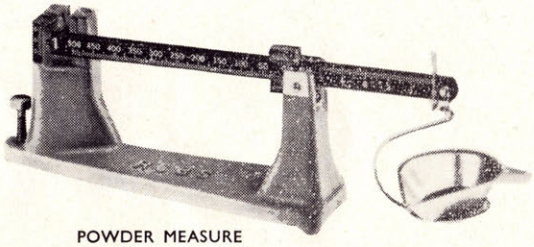
Available with either Pistol or rifle drum. Easily adjustable.

List No. 8559

DE-BURRING TOOL

Inside and Outside tool for trimming neck of worn cases.

List No. 8567



POWDER MEASURE

NORMA RELOADING COMPONENTS

Unprimed Cases List No. 8843

.38 Spl.	.222 Rem.	.308 Win.
.357 Mag.	.243 Win.	7 × 57 mm.
9 mm. Luger	.270 Win.	7 mm. Rem. Mag.
.44 Mag.	30/06	.375 H. & H. Mag.

Bullets List No. 8844

.38 Special	158 Grain	Lead Round Nose
.38 Special	148 Grain	Lead Wadcutter
9 mm. Luger	116 Grain	Full Jacket Round Nose
.44 Magnum	240 Grain	Soft Point Flat Nose
.22 Calibre	50 Grain	Soft Point Semi Pointed
.22 Calibre	50 Grain	Full Jacket Soft Point
.22 Calibre	55 Grain	Soft Point Semi Pointed
.243 Win.	75 Grain	Hollow Point
.243 Win.	100 Grain	Soft Point Semi Pointed
.270 Win.	110 Grain	Soft Point Semi Pointed
.270 Win.	130 Grain	Soft Point Semi Pointed Boat Tail
.270 Win.	150 Grain	Soft Point Semi Pointed Boat Tail
.30 Cal.	130 Grain	Soft Point Semi Pointed Boat Tail
.30 Cal.	150 Grain	Soft Point Semi Pointed Boat Tail
.30 Cal.	180 Grain	Soft Point Semi Pointed Boat Tail
.375 Cal.	300 Grain	Soft Point

MASK
for Pigeon and Wildfowl Shooters

Made of camouflage netting on an elastic head band provided with eye holes.

It is essential that all pigeon shooters and wild fowlers should cover the face when shooting.

Many thousands of these masks have been sold with excellent results.

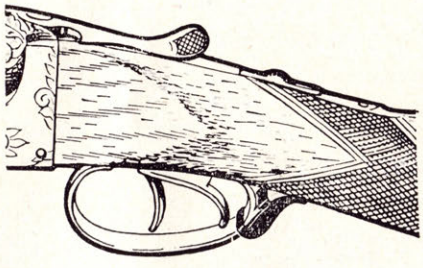
List No. 8063

GUN HAND PROTECTORS

Steel, leather covered.

List No. 8579 (*HP.12*)

State bore of gun when ordering.

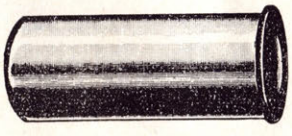


FINGER GUARDS

Soft metal rubber covered guard for attaching to trigger guard. Prevents recoil bruising of the finger, and very readily fixed, as illustrated on the rifle or gun.

List No. 8576 (*TG.1*)

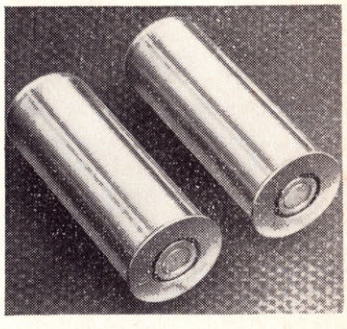
SNAP CAPS



Dummy cartridges with a spring cushioned cap to prevent possible breakage of the gun's hammer nose or firing pin.
List No. 4525 (*NC.1*) (Please state gauge) Available only in 12, 16, 20, 28 and .410 gauge. Of nylon manufacture.

For those who prefer a metal cap we can offer the type shown at right. It is slightly longer than the nylon snap cap and is available in 12, 16 and 20 gauge only.

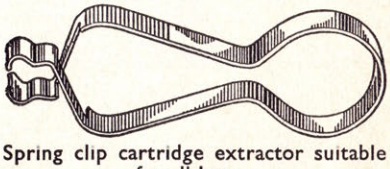
N.B.—*Unless otherwise ordered 12 gauge will be sent.*



HAND CARTRIDGE CASE EXTRACTORS

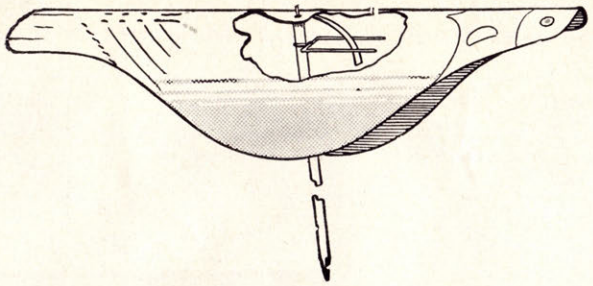
3 Claw Extractors with hook for removing broken cartridge cases.
List No. 4520 (*FH.1*)

3 claw finger ring extractor.
List No. 4520A (*FH.2*)



Spring clip cartridge extractor suitable for all bores.
List No. 4520B (*SC.1*)

IMPROVED PIGEON DECOY

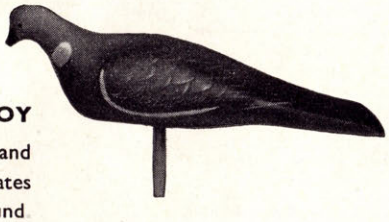


Whilst this new decoy is similar to the Max Baker it is lighter and incorporates several improvements as follows :—

1. When placed head to wind decoy moves up and down as if feeding, but it cannot be blown round and round on its peg and always keeps head to wind.
2. Decoy cannot be blown off the peg in a strong wind.
3. The price is very reasonable. Sample Decoys.

List No. 8590 (*IPD*)

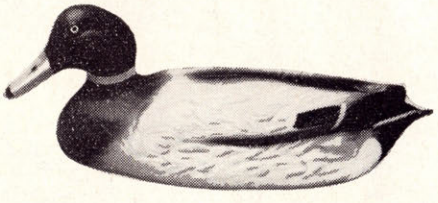
" GLOUCESTER " PIGEON AND DUCK DECOYS



RUBBER PIGEON DECOY

Made in unbreakable rubber, realistically painted and designed to stand up to hard weather conditions. Simulates feeding action of pigeon and cannot be blown round and round.

List No. 8590A

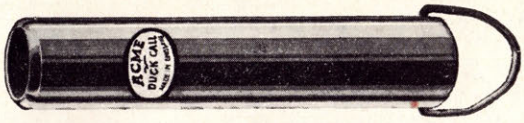


THE " GLOUCESTER " DUCK AND DRAKE

Hollow light rubber duck decoys. Very durable and realistically painted. Both duck and drake are uncrushable and retain their true shape. Integral loops for anchoring on underside. List No. 8590B

GAME DECOYS AND BIRD EFFECTS

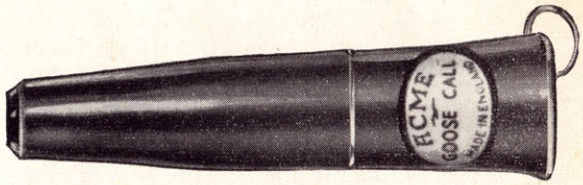
A little practice and some knowledge of the call of the species is generally necessary to obtain the best results



DUCK

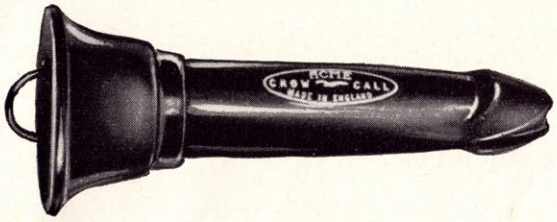
List No. 8591A (*572*)

Best results are obtained by holding the end of the call with clenched hand and opening same at the commencement of each blow. ("Kwa—Kwa—Kwa.")



GOOSE

List No. 8591B (*261*)



CROW

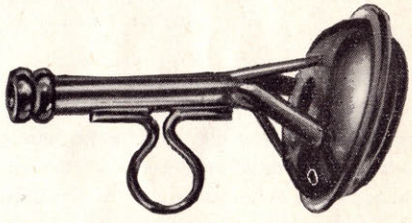
List No. 8591C (*259*)

Long "caw" reproduced by steady blow, gripping flexible mouthpiece about ½" from end with teeth, and by holding base with **half-closed hand**. (Other positions will give various pitches).

JAY

List No. 8591D (*263*)

Hold with clenched hand and blow shortly and sharply—opening the hand at the same time.



PLOVER

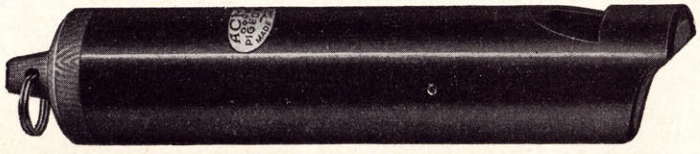
List No. 8591E (*286*)

Blow "Clee-o" by moving finger on to the stophole during the course of one blow.

CURLEW and PEEWIT

List No. 8591F (*553*)

Obtain the sound "Clee—clee—clee—o" by moving the finger over the hole at the end.



PIGEON AND DOVE CALL

List No. 8591G (*500*)

ALARM GUNS

Provides an alarm against Trespassers, thereby protecting Orchards, Preserves, Poultry Farms and the like.

Takes a 12 bore blank C.F. Cartridge (loaded powder only), can be instantly loaded in the dark and made safe by the chain peg without unloading.

The Gun is made of iron and steel throughout and is blacked to withstand the weather. Officially proved.

List No. 8593 (*SAG 2*) Pattern as illustrated
,, 8593A (*SAW 1*) Copper Trip Wire in 300 feet coil.

NOTE. Care should be taken to see that the mouth of the cartridge chamber is free from soil and clay.

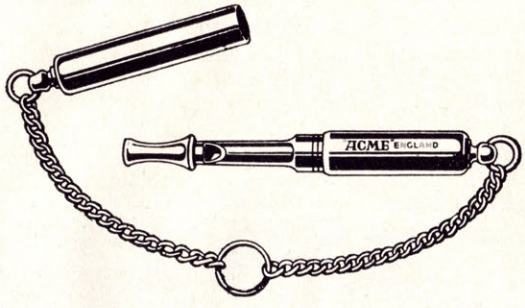
No Firearms Certificate authorising the purchase of this gun is necessary in the British Isles.

N.B.—It is prohibited to send cartridges by post: they can only be consigned by rail; carriage charged at cost.

"GALTON" SILENT DOG WHISTLE

This is a whistle which has been developed from an instrument designed by Professor Galton, famous Sound Specialist, which enabled the fact to be proved that a dog's audition is very much more sensitive than that of a human being.

This whistle can be set at a pitch such that the sound derived is so high as to be practically inaudible to the human ear (except for the sound of the wind passing through the small aperture) and yet most dogs will prick up their ears and become on the alert instantly, even at a considerable distance—providing the surrounding conditions are reasonably quiet.



An intelligent dog can be trained to this whistle which has obvious advantages, but WE ISSUE NO GUARANTEE AS TO ITS EFFECT WITH ANY PARTICULAR DOG, as results are only obtained according to the calibre of the dog and the skill and patience of the owner.

Instructions for Using

Adjust large screw until the most desirable sound is obtained in accordance with the distance from the dog. The screw should then be fixed by means of the lock nut.

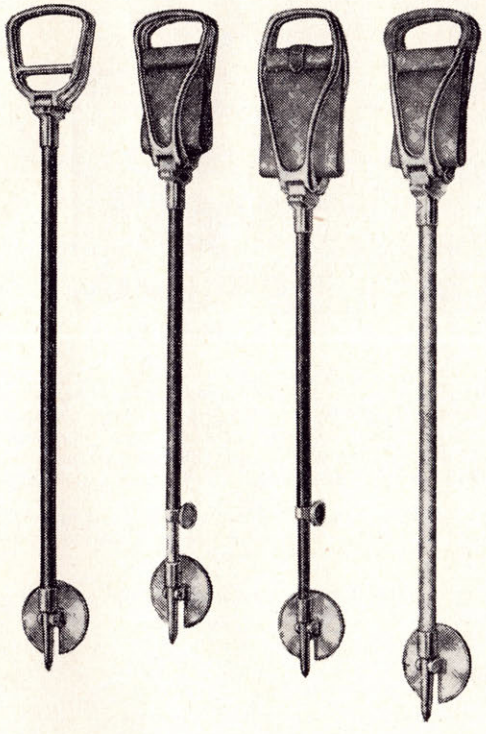
Blow with sharp dry breath and never allow the air aperture to become choked with dirt or moisture.

Brass, nickel plated, with locking nut and brass nickel plated case.

List ref. Style B. 8595

GAMEBIRD SEAT STICKS

We offer hereunder selected examples of Gamebird Seat Sticks. A leaflet indicating the full range of seat sticks is available upon application.



8587A (*H1*)

Highly polished handles, fittings and large kickover Ground Plate; Tan coloured stem.

8587B (*H4*)

Highly polished handles, fittings and large kickover Ground Plate, real pig skin seat in Tan and adjustable stem to five positive positions.

8587C (*H6*)

Highly polished handles, fittings and large kickover Ground Plate, extra large real pig skin seat. Adjustable stem to five positive positions.

8587D (*H8*)

Highly polished handles, fittings and large kickover Ground Plate; real pig skin covered stem grips and seat.

GAMEBIRD TRIPOD SEAT

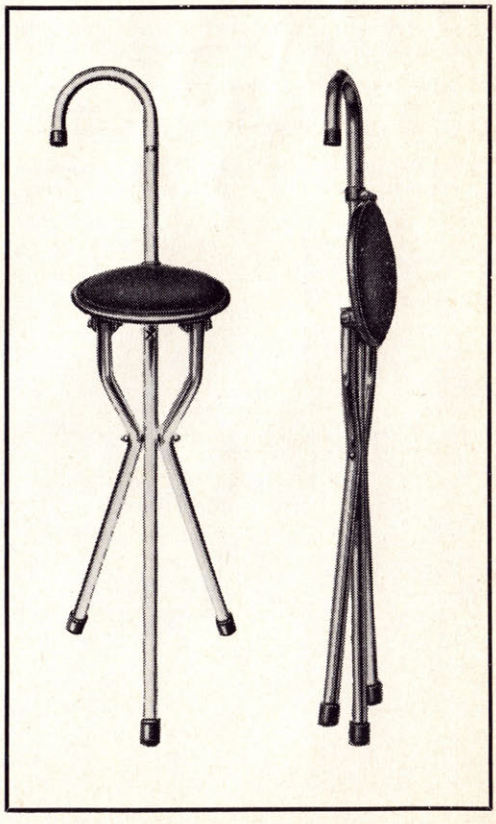
This excellent new occasional seat has the stability which makes it ideal for long periods of use. It is extremely light to carry being produced in light-weight aluminium. The Gamebird Tripod Seat is produced in 2 versions:

H.24. Chemically brightened anodised aluminium frame. Padded plastic cushion fitted on lightweight aluminium seat. Approximate dimensions when folded: 35″×8½″×1½″. Height of seat when open 21″. Weight 2 lb. 6 oz.

List No. 8588

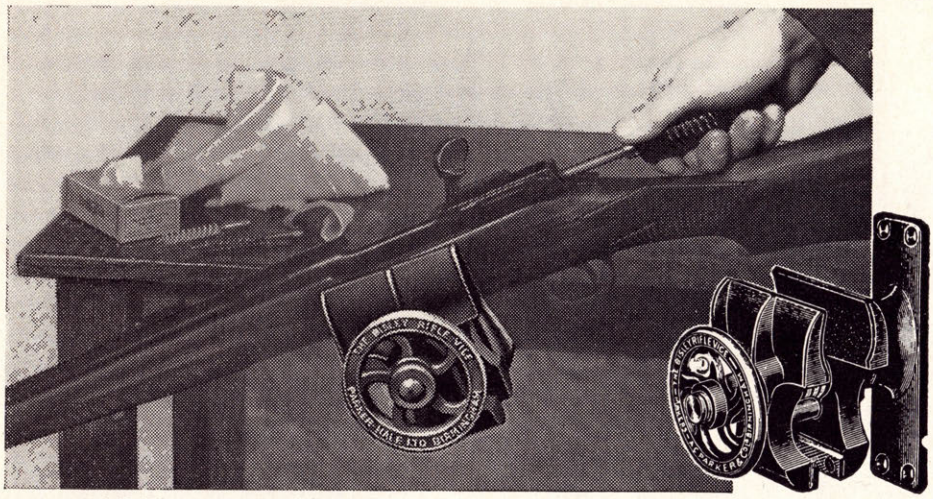
H.25. As above but fitted with a real pigskin padded seat.

List No. 8588A



PARKER-HALE " BISLEY " RIFLE VICES

Useful on Safari, in Camp or in the Gun Room



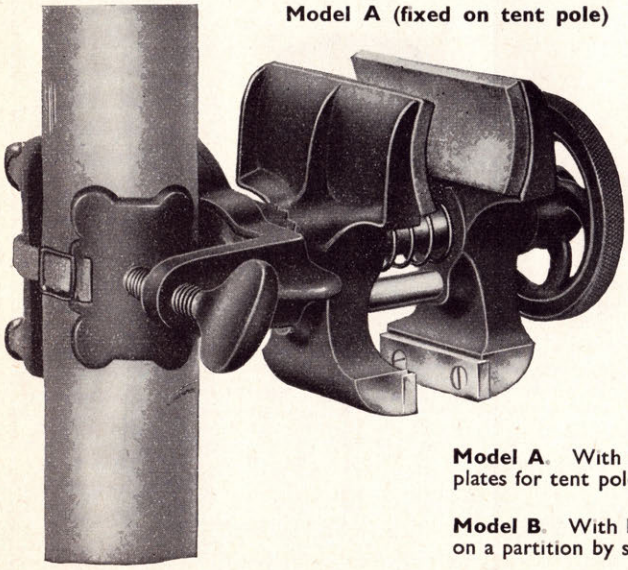
Model A Vice set up and in use. **Model B.**

Specially designed and made from aluminium in a unique design that makes it a desirable asset for the practical shooter and handyman, since it provides a double set of jaws curved and lined with felt to grip any weapon without damage, and the other fitted as a normal bench vice with file cut plates with which any job of work may be immovably gripped under pressure from the wheel nut. Made throughout in our own workshops, this multi-purpose vice comes in two models A and B as illustrated and is a robust implement made to withstand a lifetime's rough usage.

Model A is provided with a three-jaw back plate suitable for clamping on to any bench using either one or two of the wood packing blocks supplied. Alternatively it may be clamped to a tent or scaffolding pole as illustrated, using the curved plates also provided in the boxed kit.

Model B is provided with a back plate designed for fixing by means of four large wood screws or bolts to any convenient plate surface at a suitable working height.

Model A (fixed on tent pole)

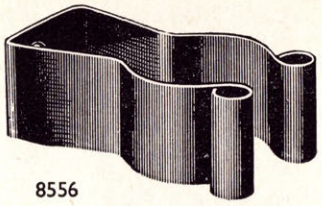


Both Models are designed for the jaws to swivel readily on their central spigot but remain locked in any one of the sixteen positions provided by the deep cut serrations on the rear jaw that accurately engage with similar division on the back plate.

Model A. With screw clamp, wood blocks and one pair curved plates for tent pole, etc. In compact box, weight 6 lbs.
List No. 4510A

Model B. With backplate only for fastening on edge of bench or on a partition by screws. In compact box, weight 5 lbs.
List No. 4510B

STRONG STEEL CLIPS for SERVICE RIFLES



8556

8556A

Very useful for providing temporary or permanent racks for Service Rifles in Schools, Barracks, and Cantonments. Strongly held by two wood screws.

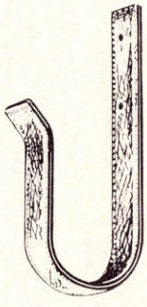
List No. 8556 (*SSC 1*)

List No. 8556A (*SSC 2*)
Stout leather lined. (Also suitable for Shot Guns)

As used in Troop Planes and Landing Craft.

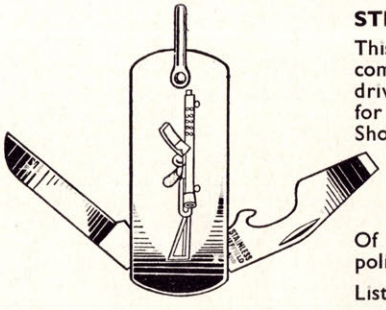
Quotations given for larger quantities.

GUN RACK HOOK



This hook is made of rust proofed 'Exonite' drilled with two screw holes. It is of ample size for all types of guns and rifles and fishing rods. There is nothing better for the purpose on the market. Racks of any capacity can readily be made up.

List No. 8555 (*GRH 1*)



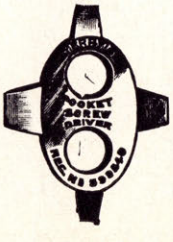
STERLING'S POCKET TOOL

This handy sturdy little folding set comprising a keen blade, screw-driver and bottle opener looped for attachment to a key chain. Should find a place in every sports-man's pocket.

Length folded, $1\frac{3}{4}$"
Width, $\frac{7}{8}$"
Thickness, $\frac{1}{8}$"

Of best Sheffield manufacture in polished stainless steel.

List No. 8597 (*SPT 1*)



TERRY'S POCKET SCREWDRIVER

A most useful little accessory for the rifleman.

List No. 8598 (*TPS 1*)

MISCELLANEOUS

EASE-E-LOAD TROLLEYS

Ease E-Load Trolleys are cleverly designed to make light work of goods handling around the home, carrying golfing or fishing tackle, 'humping' gardening materials, carrying luggage or handling goods in the shop, store or warehouse. There are so many uses for these versatile, good looking trolleys which are already a big success around the country.

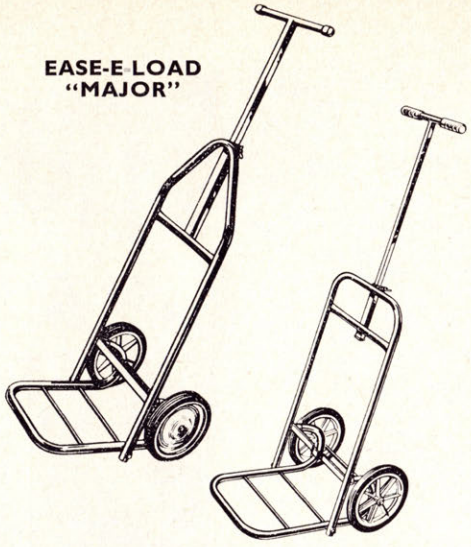
The Ease-E-Load Major is a heavy duty trolley produced by British ingenuity for a lifetime of use. It folds automatically in a second from 46″×13″ to 36″×13″ and is produced in a chrome and enamel finish with rubber tyres for easy, silent running. A third wheel may be obtained to convert the Ease-E-Load into a flat three-wheeled trolley.

The Ease-E-Load Minor, at a popular price, is ideal for coping with domestic chores and is a boon for gardening, picnics etc.

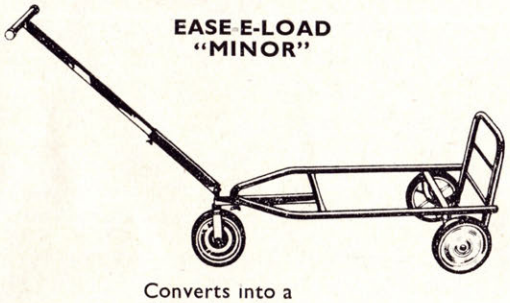
EASE-E-LOAD MAJOR
List No. 8545

EASE-E-LOAD MINOR
List No. 8545A

EASE-E-LOAD "MAJOR"

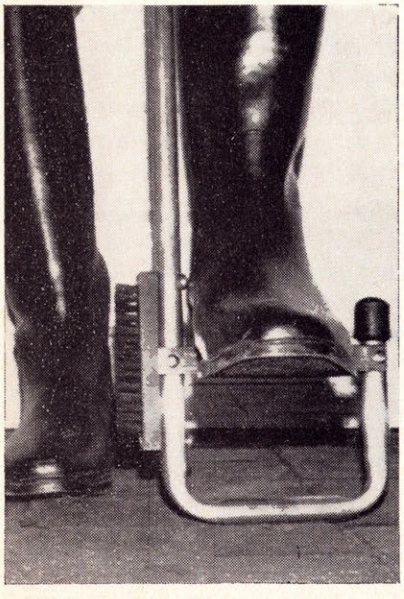


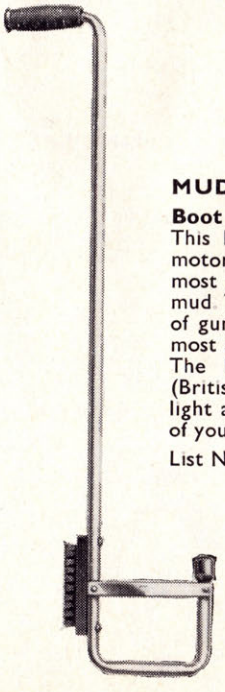
EASE-E-LOAD "MINOR"



Converts into a 3-wheel trolley

MUDLARK BOOT SCRAPER AND BOOT JACK





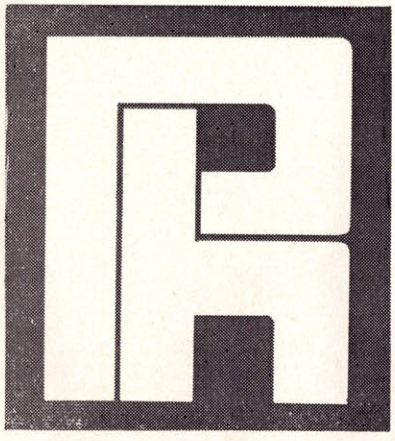
MUDLARK

Boot Scraper and Boot Jack

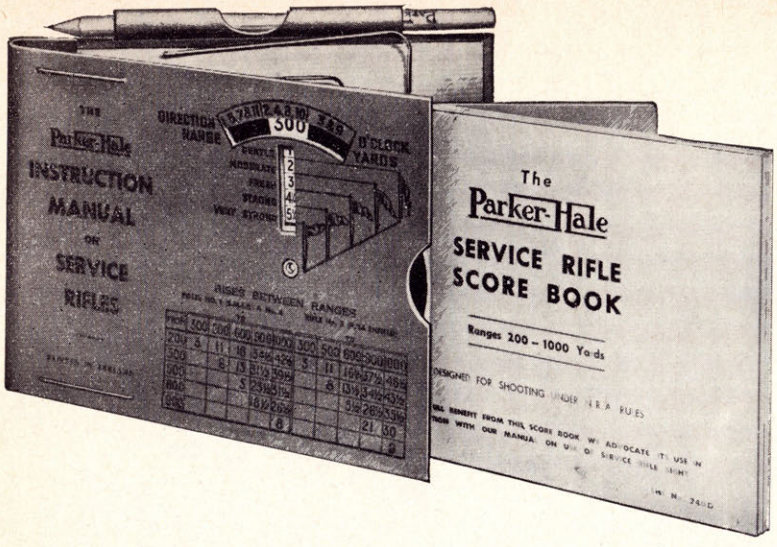
This handy aid is ideal for shooters, fishermen, motorists and caravaners all of whom will find it most useful at outdoor events for scraping away mud. The gap beneath the scraper aids the removal of gumboots whilst the convenient brush will be most appreciated for on-the-spot cleaning.

The Mudlark is of all aluminium construction (British made throughout), will not rust and is as light as a feather. An ideal accessory for the boot of your car.

List No. 8547



TARGET SHOOTING ACCESSORIES



PARKER-HALE SERVICE RIFLE INSTRUCTION MANUAL AND SCORE BOOK

Over many years this has been the favourite of Service rifle marksmen.

Originally designed for use under N.R.A. competition rules the diagrams for Short and Long ranges are marked off in minute of angle squares and so arranged that with a minimum wastage of diagram space competitions comprising three or four range shoots present a picture of the result at a glance.

The two part make up of the modern version of this popular score book cuts down purchase tax in the home market, yet gives the shooter the advantage of a refill of scoring diagrams without scrapping the useful features built into the cover which includes the **wind indicator, pencil and holder, point sharpener, holding wires** and several pages of useful information, **shooting data** and advice.

A few long range diagrams covering distances of 900 and 1,000 and always up to date with the latest scaled dimensions make this complete publication especially suitable for regular club marksmen and visitors to Bisley Camp, where these distances are included in many competitions comprising the Grand Aggregate.

By splitting this publication into its two major components viz.—Instruction Manual and Scoring Diagrams, purchase tax in the U.K. is chargeable only on the latter.

We, therefore, list the component parts and the complete Score Book as under:—

List No. 8930 (*240A*) Instruction Manual. List No. 8931 (*240D*) Scoring Diagrams.
List No. 8932 (*240AD*) Complete Score Book.

PARKER-HALE RIFLE SHOTS REGISTER

Simplest wind reckoner.
Universal diagrams.
For long and short ranges.
A 3 range shoot on every page.
Spring wires to hold down leaves.

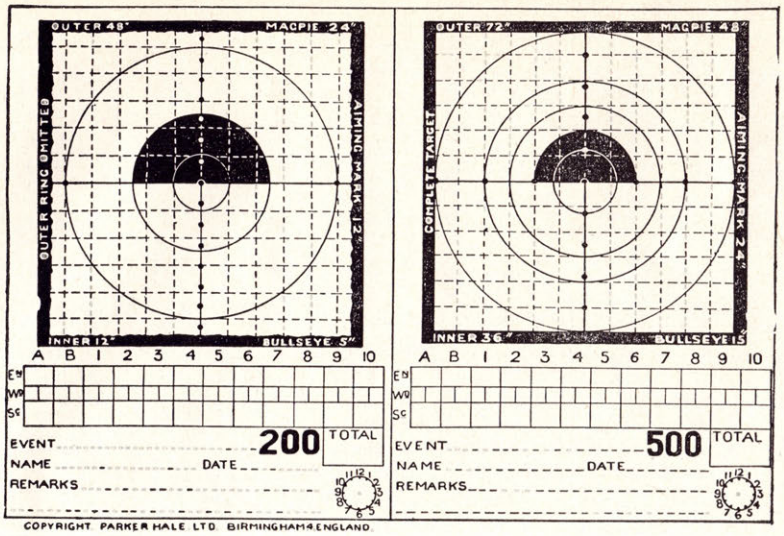
Though this Score Book is not generally the choice of the expert as its diagrams are intended for all range use and are not correct to scale, its handy pocket size combined with its attractively low price helps to maintain its popularity amongst beginners and others who prefer a type of Register that can be fully employed without wasting any part of the contents.

Its 147 pages include 240 range diagrams for scoring purposes and 67 pages of useful hints, tables and target dimensions.

Bound within stiffened covers and provided with spring wires to hold the pages flat in all weathers, the book measures only $6\frac{1}{2}'' \times 4\frac{1}{2}''$.

List No. 8933 (*240*)

PARKER-HALE SCORE CARD 1949 N.R.A. Dimensions



300 and 600 yards diagrams printed on the back.

The actual cards are printed light yellow green to show pencil figures on the central aiming marks.

List No. 8934 (*S.1.*)

The accompanying illustration does not give a true scale representation of the latest 500 yards target the aiming mark now coincides with the 'inner' ring.

PARKER-HALE LOOSE LEAF SCORE BOOK

With up-to-date single range diagrams

There are a number of riflemen who for various reasons prefer a whole page diagram on which to plot their shots, but such diagrams cannot for obvious reasons be conveniently bound in an ordinary sewn book. It is necessary therefore, to adopt the **loose leaf** system, and now that we have done away with the tight elastic bands and have substituted a new wire device to prevent the leaves blowing about, we think we have eliminated a weakness in this style of book.

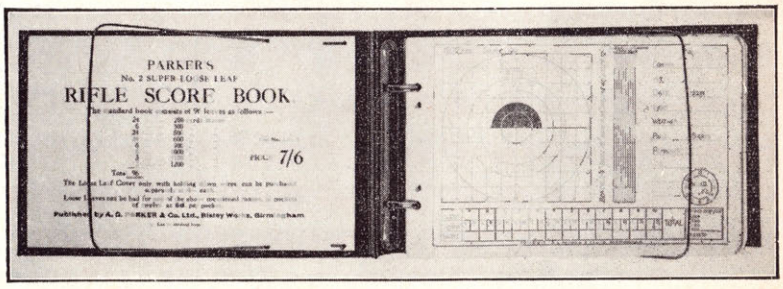
The contents of this Loose Leaf Score Book, if not otherwise ordered, includes, 24 each 200, 500 and 600 yards diagrams, 6 each 300, 900 and 1,000 yards diagrams and 3 each 1,100 and 1,200 yards diagrams, making a total of 96 Loose Leaves.

This style of book is often preferred to the book bound types, enabling the contents to be arranged to suit individual requirements.

The pages lie flat under the control of springy wire holders as illustrated.

List No. 8935 (*LL.5*) Book complete with 96 N.R.A. dimensioned target diagrams.

List No. 8935A (*LL.6*) Loose Leaf Cover only. Size $8'' \times 5\frac{1}{2}'' \times 1\frac{1}{4}''$.



PARKER-HALE REFILLS FOR LOOSE LEAF BOOK

List No. 8935B (*LLR.1*) Single Range Loose Leaves, 2, 3, 5, 6, 9, 10, 11 and 1,200 yards.

N.B.—Loose leaves are printed one side only.

GENERAL INDEX

A

	Page
Adaptor, Camera Tripod	115
Adaptors, shot gun	65
Alarm Guns	196
Ammunition	116
Ammunition Bags	177
Anti-recoil pads	187–8
Aperture sights	82–92
Attachments, sling and rifle	167–170
Articles and information	
PH Report	3
Shooting Seasons	7
"Somewhere to Shoot"	8
Shooting Organisations	10
Firearms Law	11
Target Rifle Shooting	13
WAGBI	14
"Know-how in the Field"	16
"More Aspects of Proof"	20
"Managing Gun Dogs"	22
"The Dangerous Shot"	26
Periodicals	28
Pistol Shooting	67
Air Rifle Shooting	78
Rifle Sights	83
"All About Scopes"	94
Telescope Sight Mounting	103
Spotting Scopes	111
Advice on Firearm Care	140
Slings	164

B

Backsight	82–92
Bags, Cartridge and Shooting	177–8
Ballistic Tables	124–137
Belts, Cartridge	178
Bird Calls, Decoys	194–5
Blank Cartridges	138
Blocks, barrel 'scope mounting	108
Block Cartridge	171
Blueing Solution	158, 162
Books, Score	202
Boot and Leather Waterproofing	158
Boot Scraper	200
Box, element	89
Brushes, Cleaning	149–151
Bullet Lubricant	161
Butt Shoes and Plates	188

C

Calls, decoy	195
Caps, Snap	193
Capper, RE and DE	191
Cards, Score	203
Carrier, Game	178
Cartridge Bags	177
Cartridge Belts	178

C

	Page
Cartridge Boxes	171
Cartridges: Blank	138
centre fire metallic	129–136
Rim fire	121–2, 137
Shot gun	117–9
Case, Scope	173
Cases and Bags, shooting	174–177
Cases, Covers, gun and rifle	172–6
Cleaner, Hand	159
Clamps, spring telescope stand	115
Clay Pigeons	189
Cleaning Outfits	147–8
Cleaning Rod Sets	145–6
Cloths, cleaning and protective	159
Clips, belt	165
Clips, gun or rifle	199
Compartment Cases	176
Comet Gun Blue	162
Components, Weapon	70
Cleaning Materials	140–160
Covers, Gun and Rifle	172–4

D

Darts, air gun	138
Decoys	195
Deerstalker	184
Dog Whistle	196

E

Ear Plugs, Protectors	180
Element Box	89
Elbow Pads	186
Express Oil	157
Extractors, shot gun cartridges	193
Eyepieces	91–2

F

Fabric Waterproofing	158
"Fieldsman" leather, canvas, suede	174, 176–8
Filters, eyepiece	91
Fisherman's Hand Cleaner	159
Flannelette	160
Flingers, clay bird	189
Foresights	189–190

G

Game Bag, Carrier	178
Guard, Finger	193
Guns, alarm	196
Guns, shot	54–65

H

Hand Cleaner, Fisherman's	159
Handguard, shot gun	193
Handgun Case	173
Handstops	170
Hats, Shooting and Fishing	184

H

	Page
Hooks, gun rack	199
Hooks, sling	168

I

Implements, cleaning	149–154
Implements, loading	191
Insect Repellent	159

J

Jacket, shooting	181–2
Jags	154

K

Keeper, sling	165

L

Launcher, target	189
Leather and boot Waterproofing	158
Leather and Canvas goods	174–8
Lenses, eyepiece	91–2
Loading Trolleys	200
Lubricant, bullet	161
Loading Implements (shot gun)	191

M

Mask, shooting	193
Moderator, Sound	52
Monocular viewer	113
Mops, wool	149–150
Motty paste	161
Mounts, scope sight	103–9
Measure, powder and shot	192

N

Never Nickel Lubricant	161

O

Oils	156–7
Outfits, cleaning	147–8

P, Q

Pads, anti-recoil	187–8
Pads, elbow	186
Patches, coat	186
Patches, flannelette	160
Pellets, air rifle	138
Periodicals, shooting	28
Pigeons, Clay	189
Pigeons, decoy	194
Pistols, air	81
Pistols, automatic, single shot	68–75
Pistols, starting blank	76
Plugs, ear	180
Pocket Tools	199
Preservatives	156–9
Prismatic Spottingscope	112
Protectors, foresight	179
Protectors, Gun hand	193
Protectors, hand	185
Pullthroughs	155
Punch Wads	191

R

	Page
RE and DE Capper	91
Rearsight	82–92
Recoil Pads	187–8
Register, team	202
Reloading tools, shot gun	191
Resizer, cartridge	191
Rests, rifle	169
Revolvers	68–75
Rifles —	
Sporting and Target	31–51
Air	79–80
Rods, cleaning	142–6
Rod Sets, gun cleaning	146

S

Screwdrivers, Terry's pocket	199
Scope Mounts	103–9
Scope Sights	94–102
Scope Sight Case	173
Score Books and Cards	202–3
Seat, Tripod Rest	197
Scraper, boot	200
Shoes, rubber butt	188
Shoe trigger	170
Shot Guns	54–65
Skeet hat	184
Shot Gun Adaptor	65
Sights —	
Fore/Back	83–92
Telescope	94–102
Sight Black	158
Slings	164–7
Snap Caps	193
Sound Moderators	52
Spotting Scopes	111–3
Stands, telescope	115
Starting Pistols	76
Sticks, Seat	197
Swivels, sling	167–9
Solution, Gun Blue	158, 162
Spare Parts, weapons	70

T

Tables, Ballistic	124–137
Target Materials	202–3
Targets, clay	189
Target Launcher	189
Telescope Sights	94–102
Telescope Mounts	103–9
Telescope Stands	115
Telescope Tripod	115
Telescopes, spotting	111–3
Tow Jute	159
Traps, Clay Pigeon	190
Trigger Shoe	170
Trolleys, Loading	200
Turnover	191

U, V, W, X, Y, Z

Vests, Skeet and Game	182–3
Vices	198
Waterproofing, preparations for	158
Whistles	196
Wristbandolier	170
Young's .303" Cleaner	156
Zoom Telescopes	113

Printed in England by
Sawtells of Sherborne Limited, Sherborne, Dorset

RECOMMENDED

RETAIL PRICE LIST

COMPILED SEPT. 1969 FOR USE IN CONJUNCTION WITH THE PARKER-HALE GUN CATALOGUE NO. 70

HEAD OFFICE AND WORKS

Parker-Hale Ltd., Bisley Works,
Golden Hillock Rd., Birmingham 11

Telephone 021–772 4275
Telegrams Riflemen Birmingham
Telex: 338172 Safari Birmingham

CONTINENTAL OFFICE

Parker-Hale GMBH, Postfach 20854
3 Hannover-Linden, West Germany

DIRECTORS

S. C. Hale, A. C. Hale,
J. B. Le Breton, M.I.M.S.M.
L. J. Scandrett, M.I.Ex.

NOTES FOR THE GUIDANCE OF CUSTOMERS

In order to conform with present day trends we have abandoned strict price maintenance in favour of the alternative system of listing **recommended** retail prices, with a separate listing when applicable in the United Kingdom, of the sum due for Purchase Tax

Consequently, it is no longer incumbent upon Retailers to maintain these prices without having regard to their individual handling and stockholding costs

LOCATION OF RETAILERS

Since April 1963 we have not executed orders other than those received through approved Retail Traders.

On direct application to us, customers for our lines may obtain the names and addresses of Retailers in their vicinity to whom their enquiries for our goods or services should be initiated.

Warranty

If any item made or exclusively marketed by us proves unsatisfactory or unserviceable by virtue of defective material and/or workmanship, we will either replace it or refund its value.

Consideration can be accorded only to written complaints that identify the Retailer through whom the article was obtained, the approximate date of purchase and particulars of the claim.

SS/7½M 10/69

PARKER-HALE LTD
No. 70 Catalogue

PRICE LIST

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
33	Safari Super Clip .243 Win.	1205		44 11 0	
	,, ,, ,, 7×57	1285		44 11 0	
	,, ,, ,, .308 Win.	1235		44 11 0	
	,, ,, ,, 6mm. Rem.	1275		44 11 0	
	,, ,, ,, .270 Win.	1215		44 11 0	
	,, ,, ,, 30/06	1225		44 11 0	
	Safari Super .22/250	1091		41 16 3	
	,, ,, .243 Win.	1201		41 16 3	
	,, ,, 6mm. Rem.	1271		41 16 3	
	,, ,, 7×57	1281		41 16 3	
	,, ,, 7×64	1297		41 16 3	
	,, ,, .270 Win.	1211		41 16 3	
	,, ,, .308 Win.	1231		41 16 3	
	,, ,, 30/06	1221		41 16 3	
	,, ,, 7mm. Rem. Mag.	1251		43 10 0	
	,, ,, .300 Win. Mag.	1261		43 10 0	
	,, ,, .308 Norma Magnum	1241		43 10 0	
35	1200V Varmint Rifle .22/250	1293		47 4 6	
	,, ,, ,, 6mm. Rem.	1273		47 4 6	
	,, ,, ,, .243 Win.	1203		47 4 6	
36	Safari De Luxe .243 Win.	1101		39 0 0	
	,, ,, 6mm. Rem.	1171		39 0 0	
	,, ,, .270 Win.	1111		39 0 0	
	,, ,, 7×57	1161		39 0 0	
	,, ,, 7×64	1165		39 0 0	
	,, ,, 30/06	1121		39 0 0	
	,, ,, .308 Win.	1131		39 0 0	
37	Safari African Magnum .375 Magnum	1191		45 15 0	
	,, ,, ,, .404 Magnum	1181		53 5 0	
38	Safari Standard Clip .243 Win.	1005		34 12 3	
	,, ,, ,, 6mm. Rem.	1075		34 12 3	
	,, ,, ,, .270 Win.	1015		34 12 3	
	,, ,, ,, 30/06	1035		34 12 3	
	,, ,, ,, .308 Win.	1025		34 12 3	
	Safari Standard .22/250	1041		30 4 3	
	,, ,, .243 Win.	1001		30 4 3	
	,, ,, 6mm. Rem.	1071		30 4 3	
	,, ,, .270 Win.	1011		30 4 3	
	,, ,, 30/06	1031		30 4 3	
	,, ,, .308 Win.	1021		30 4 3	
39	Custom No. 4 Rifle	1384		20 17 0	
40	Custom No. 1 Rifle	1420		20 17 0	
41	Supreme No. 1 Rifle	1411		18 3 6	
	De Luxe No. 1 Rifle	1431		13 10 0	
	Standard No. 1	1451		9 12 6	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
42	Parker-Hale 1200TX 7.62 Rifle	0900		60 0 0	
43	(1) Parker-Hale T4 (7.62) "as new" complete with sights	1361		40 0 0	
	(2) Rifle supplied "as new" without rearsight (but with foresight)	1362		31 2 6	
	(3) Rifle supplied "as new" complete with sights in part exchange for customer's rifle	1363		38 0 0	
	(4) Rifle supplied "as new" without rearsight (but with foresight) in part exchange for customer's rifle	1364		29 2 6	
	(5) Rifle supplied without rearsight (but with foresight) with converted military woodwork in part exchange for customer's rifle	1365		24 0 0	
44	Carl Gustaf Model 63 Target Rifle	3105		67 2 6	
45	Sportco .22 Autoloader	3171	71S	20 0 0	
45	Browning .22 Repeater	3160	BRO1A	36 10 0	
46	„ Model A2 LR	3162	BRO3	29 12 6	
	„ „ „ Short	3161	BRO2	29 12 6	
	„ Model B2 LR	3164	BRO3B	38 7 6	
	„ „ „ Short	3163	BRO2B	38 17 6	
47	.22 BRNO Model ZKM581 De Luxe	3165		32 0 0	
	„ „ „ ZKM452 De Luxe	3167		32 0 0	
48	Remington Nylon Model "66"	3156		25 10 0	
	Remington Model 552 "Speedmaster"	3158		27 10 0	
	„ „ 572 "Fieldmaster"	3159		28 0 0	
49	Winchester .22 Rifle	3140	290	32 8 0	
	„ „	3141	250	34 0 0	
	„ „	3142	270	35 0 0	
50	Anschutz Target Rifles I.S.U. Model (1408)	3181		55 10 0	
	Model 54/11¼lb. (1411)	3180		66 15 0	
51	Super Match (1413D)	3182		140 0 0	
	Model 64 (1403)	3185		34 0 0	
	Extra for Left Hand Stock (when supplied with Rifle)			3 10 0	
	Extra for Left Hand Bolt Adaptor (when supplied with Rifle)			3 10 0	
	Hammerli Match Rifle	3188		210 0 0	
52	Sound Moderator	4410	MM1	3 3 0	
	Sound Moderator Body Cap	4411		7 6	
	Set of Baffle Plates	4411A		1 11 6	
	Assembly Tool	4411B		7 6	
	Barrel Thread Cap	4411C		7 6	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
55	Merkel Over and Under Shotguns				
	Model 200E, 28″ Barrels, Solid Rib, Double Triggers	3360		141 16 0	38 19 11
	Extras supplied with above				
	Raised Ventilated Rib			10 6 7	2 16 11
	Single Selective Trigger			43 12 11	12 0 8
	Single Non-Selective Trigger			19 0 0	5 4 6
	Automatic Safety Catch			3 16 0	1 0 11
	Silver Oval			2 16 0	15 5
	30″ Barrels			4 16 11	
	Model 200ET, Trap De Luxe, 30″ Barrels, Raised Ventilated Rib, Double Triggers, Trap Stock and Fore-end	3360A		160 19 0	44 5 1
	Extras supplied with above				
	Single Non-Selective Trigger			19 0 0	5 4 6
	Model 200ES, Skeet			As Model 200ET	
56	Model 201E, 28″ Barrels, Solid Rib, Double Triggers	3361		173 13 4	47 15 2
	Extras as Model 200E				
	Model 201ET, Trap De Luxe, 30″ Barrels, Raised Ventilated Rib, Double Triggers, Trap Stock, and Fore-end	3361A		196 13 4	54 1 8
	Extras supplied with above				
	Single Non-Selective Trigger			19 0 0	5 4 6
	Model 201ES Skeet			As Model 201ET	
57	Model 203E, 28″ Barrels, Solid Rib, Double Triggers	3362		288 6 8	79 5 10
	Extras supplied with above				
	Raised Ventilated Rib			10 6 8	2 16 10
	Single Selective Trigger			43 13 4	12 0 2
	Single Non-Selective Trigger			35 13 4	9 16 2
	Automatic Safety Catch			3 16 0	1 0 11
	Silver Oval			2 16 0	15 5
	30″ Barrels			3 16 0	1 0 11
58	Model 303E, 28″ Barrels, Solid Rib, Double Triggers	3363		439 6 8	120 16 4
	Extras supplied with above				
	Automatic Safety Catch			5 13 4	1 11 2
	Others as Model 203E				
59	Miroku Model 800 Trap O/U 12g	3383A		112 18 2	27 11 10
	Now with non-auto safe				
	Miroku Model 800W (Wide Rib) O/U 12g	3383C		128 15 5	31 9 7
	Now with non-auto safe				
	Miroku Model 800 Skeet O/U 12g	3383B		112 18 2	27 11 10
	Now with non-auto safe				

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
60	Miroku Model 700 O/U 20g.	3382A		106 19 7	26 2 11
	With half pistol hand stock				
	Miroku Model 700 O/U 12g.	3382C		106 19 7	26 2 11
	With half pistol hand stock				
	Miroku Model 700 Skeet O/U 12g.	3382B		106 19 7	26 2 11
	Now with non-auto safe				
61	Miroku Model 650 O/U D.T. 12g.	3381		97 14 9	23 17 9
	Now with non-auto safe				
62	Miroku Model 500E S/S Ejector 12g.	3380C		60 18 2	14 17 10
	Miroku Model 500 S/S N/E 12g.	3380A		49 17 4	12 3 11
	Miroku Model 500 S/S N/E 20g.	3380B		49 17 4	12 3 11
63	Webley Model 700 12 or 16ga.	3340		114 16 0	30 1 4
	,, ,, ,, 20ga.	3340A		128 0 0	33 11 0
	,, ,, 702 12 or 16ga.	3342		169 8 0	44 7 4
	,, ,, ,, 20ga.	3342A		177 16 0	46 11 4
	,, ,, 701 12 or 16ga.	4331		226 16 0	59 8 0
	,, ,, ,, 20ga.	3341A		237 6 0	62 3 0
	,, ,, 100	3345		22 0 0	5 17 0
	Extra for chequering			1 0 2	5 6
	,, ,, 3″ chamber			13 9	3 8
	,, ,, sling swivels			1 8 0	7 8
64	Webley 410 B/A Gun Standard	3347		9 19 11	2 13 1
	,, ,, De Luxe	3348		12 18 1	3 5 11
	,, No. 3 bore Garden Gun	3349		7 13 9	
	,, No. 1 ,, ,, ,,	3349A		7 13 9	
65	410 Shotgun adaptor (12ga)	4480	ASG1	2 8 0	11 9
	,, ,, ,, (16ga)	4480A	ASG2	2 8 0	11 9
	,, ,, ,, (20ga)	4480B	ASF3	2 8 0	11 9
68	Star Model FR Target	3224		19 5 0	
	Star Model FR Sport	3222		18 15 0	
	Star Model FR	3223		16 15 0	
69	Star H.K. Lancer	3227		16 15 0	
	Star Counterweights	3228		2 0 0	
	Star Model B 9mm	3220		27 5 0	
70	Spare Parts for Star Pistol "F" Series				
	Frame	3225	1010	5 10 0	
	Barrel for Model F 41″	3225	1024	2 10 0	
	,, ,, ,, FS 6″	3225	1026	3 0 0	
	,, ,, ,, FT 7″	3225	1028	3 10 0	
	Slide for Model F	3225	1034	5 0 0	
	,, ,, ,, FS & FT	3225	1039	5 10 0	
	Recoil spring	3225	1040	5 0	
	Firing pin	3225	1050	7 6	
	Firing pin spring	3225	1060	3 0	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
70	Spare Parts for Star Pistol "F" Series				
	Rear sight for Model F	3225	1074	7 6	
	„ „ „ „ FS & FT	3225	1077	12 6	
	Firing pin retaining pin	3225	1080	3 0	
	Extractor	3225	1090	7 6	
	Extractor pin	3225	1100	3 0	
	Extractor spring	3225	1110	3 0	
	Trigger	3225	1120	10 0	
	Trigger pin	3225	1130	3 0	
	Sear	3225	1140	5 6	
	Sear pin	3225	1150	3 0	
	Sear spring	3225	1160	3 6	
	Hammer with strut and pin	3225	1170	17 6	
	Hammer pin	3225	1180	3 0	
	Hammer spring	3225	1190	3 6	
	Hammer spring plunger	3225	1200	2 6	
	Safety, thumb	3225	1210	16 6	
	Safety plunger	3225	1220	3 0	
	Safety spring	3225	1230	3 0	
	Magazine tube	3225	1240	1 0 0	
	Magazine follower	3225	1250	5 0	
	Magazine catch lock	3225	1260	3 0	
	Magazine catch	3225	1270	10 0	
	Magazine catch spring	3225	1280	3 0	
	Magazine spring	3225	1290	6 0	
	Screw, grip	3225	1300	2 6	
	Sear bar	3225	1310	4 6	
	Trigger plunger	3225	1320	3 0	
	Trigger plunger spring	3225	1330	3 0	
	Grip, right	3225	1340	7 6	
	Grip, left	3225	1350	9 0	
	Magazine floor plate	3225	1360	3 0	
	Magazine floor plate release	3225	1370	3 0	
	Ejector	3225	1390	4 6	
	Ejector pin	3225	1400	3 0	
	Slide retainer	3225	1410	12 6	
	Slide retainer spring	3225	1420	3 0	
	Screw, front sight for Mod. FS & FT	3225	1432	3 0	
	Screw, rear sight for Mod. FS & FT	3225	1437	3 0	
	Sight, front for Model FS & FT	3225	1442	6 6	
	Magazine, complete	3225	1459	1 10 0	
	The front sight of Model F is fixed and non-adjustable.				
71	Smith & Wesson Handguns				
	Model 28 Highway Patrolman	3201		68 0 0	
	Model 14 K 38 Masterpiece Double-action	3202		64 15 0	
	Model 14 K 38 Masterpiece Single action	3202A		72 0 0	
	Model 17 K 22 Masterpiece Double-action	3203		64 15 0	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
71	Smith & Wesson Handguns				
	Model 39 Automatic Double-action	3204		68 0 0	
	Model 41 Automatic, Target	3205		79 10 0	
	Model 46 Automatic, Target	3206		67 10 0	
72	Handgrips	8573		2 15 0	
	"Wondersight" Rearsight	8535		1 13 0	
73	Browning Target Pistols				
	Standard with 4½" or 6¾" bls	3250		27 15 0	
	Target with 4½" or 6¾" bls	3251		34 18 6	
	Match, left and right hand	3252		61 5 0	
	Model 150 Target Model (not illustrated)	3255		34 18 6	
	Model 150 Match Model (not illustrated)	3256		44 0 0	
	Additional Magazines, All Models	8500		2 10 0	
74	Browning High Power	3254		39 17 6	
	,, Spare Magazine	3254A		3 0 0	
75	Hammerli Model 107	3270		157 10 0	
	,, ,, 206	3272		115 0 0	
	,, ,, 207	3271		125 0 0	
	,, ,, 208	3273		122 5 0	
76	Perfecta Blank Pistol	3292		2 7 6	
	Webley Mk. II Blank Pistol .22/.32	3290		3 10 9	
	Webley Mk. III ,, ,, .22	3291		2 6 0	
79	Haenel Air Rifle .22 or .177	3010		7 4 3	1 15 3
80	Haenel .177 Match Air Rifle	3011		25 1 10	6 18 2
81	Webley Junior Air Pistol .177	3061		6 1 2	1 12 4
	Webley Premier Air Pistol .177 & .22	3062		9 1 10	2 8 6
84	PH5E/TX Aperture Rearsight with Tubular Six-Hole Eyepiece	4640		price upon application	
	PH5E/TX Aperture Rearsight with Premier Eyepiece	4640A		price upon application	
	PH5A Aperture Rearsight with Tubular Six-Hole Eyepiece	4652B		10 7 6	
	PH5A Aperture Rearsight with Premier Eyepiece	4652C		11 3 6	
85	Aperture Rearsight with Extension Bar	4671	PH2052	11 10 6	
	Sporting Aperture Backsight	4654	PH6E	3 11 6	
	,, ,, ,,	4654A	PH6EH	3 18 9	
86	Aperture Backsight	4668A	PH17B	6 6 0	
	"Neta" Aperture Backsight	4670A	PH18A	2 15 0	
	,, ,, ,,	4670B	PH18B	2 15 0	
	,, ,, ,,	4670C	PH18C	2 15 0	
	,, ,, ,,	4670D	PH18D	2 15 0	
	,, ,, ,,	4670E	PH18E	2 15 0	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
87	Sportarget Sights (All Models 10)	4680		5 5 0	
88	Sportarget Receiver Sight	4660	PH16	5 5 0	
	,, ,, ,,	4660B	PH16D	5 5 0	
	,, ,, ,,	4660E	PH16K	5 5 0	
89	Parker-Hale Tunnel Foresight				
	Model 2 Foresight	4610D	FS22A	1 13 6	
	Model 2 Foresight	4610F	FS19	2 5 0	
	Peep Reamer	4427	95	15 9	
	,, ,,	4427A	95A	15 9	
	Elements Metal Ring and Blade	4423	ALL	2 6	
	,, Square Aperture	3323A	ALL	2 6	
	,, Level & Blank	4423B	ALL	2 6	
	Foresight Element Box	4426	DB1	5 0	
90	Regulation Foresight	4620	ALL	7 9	
	Streamline Foresight	4621	ALL	11 0	
91	"Premier Eyepiece"	4421A	PH64L	1 16 0	
	,, ,	4421B	PH64S	1 16 0	
	Lens Frame	4422A	PHL5	12 0	
	Tinted Glass Light Filters	4422D	F55	8 0	
	, ,, ,, ,,	4422E	F41	8 0	
92	The "Iris" Eyepiece De Luxe Model	8532		3 0 0	
	"Big Disc" Six-Hole Eyepiece	4421C	PH62	1 2 6	
	Eyecup only of above	4421Z		10 0	
	Six-Hole Tubular Eyepiece	4421D	PH60	1 0 0	
	Eyecup only of above	4421Z		8 0	
	Single Hole Eyepiece	4421F	"S"	3 6	
96	Nikko Stirling Scope 4×15	3519	NS15	2 15 0	
	,, ,, ,, 4×20	3520	NS19	3 10 0	
97	,, ,, ,, 4×28	3523	N428	6 16 0	
	,, Special ,, 4×32	3524	N432	8 0 0	
	,, ,, ,, 6×32	3525	N632	8 10 0	
98	Pecar Model I S 2¾×64	3503		21 0 0	
	,, ,, 11L 4×81	3504		29 3 4	
99	,, ,, V1-S 3–7X Vari Power	3501		34 0 0	
	,, ,, V2-S 4–10X ,, ,,	3502		36 19 0	
100	Pecar Interchangeable Reticule System	3510		prices upon application	
101	Kahles Model 2/L 2	3540		19 0 0	
	,, ,, 4/L 2	3541		22 4 0	
	,, ,, 6/L 2	3542		24 16 0	
102	Kahles Model 27/L 2 Vari Power	3543		30 9 8	
	,, ,, 39/L 2 ,, ,,	3544		32 6 0	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
108	Roll Off Mounts	3901A	RALS3	2 12 6	
	" " "	3901B	RALS4	2 12 6	
	" " "	3901E	RAHS3	2 12 6	
	" " "	3901F	RAHS4	2 12 6	
	" " "	3901J	RCH1	2 12 6	
	" " "	3901M	RANS1	2 12 6	
	" " "	3901N	RANS2	2 12 6	
	"B" Type Base	4443		12 0	
	Base Block	4440A	BA2	6 0	
	" "	4440B	BA3	6 0	
	" "	4440Z	BA4	6 0	
	" "	4440C	BA5	6 0	
	" "	4440D	BA6	6 0	
	" "	4440E	BA9	6 0	
	" "	4440F	BA10	6 0	
	" "	4440G	BA11	6 0	
	" "	4440H	BA13	6 0	
	" "	4440J	BA15	6 0	
	" "	4440K	BA16	6 0	
	" "	4440L	BA18	6 0	
	" "	4440M	BA19	6 0	
	" "	4440N	BA20	6 0	
	" "	4441	BA21	6 0	
	" "	4440P	BA22	6 0	
	" "	4440Q	BA23	6 0	
	" "	4440R	BA24	12 0	
	" "	4440S	BA25	6 0	
	" "	4440T	BA26	12 0	
	" "	4440U	BA27	19 6	
	" "	4440V	BA28	6 0	
	" "	4440W	BA29	19 6	
	" "	4440X	BA30	6 0	
	" "	4442	WE1	1 0 0	
109	Miroku Scope Mounts	3901P		1 5 0	
	Scope Sighter with .22 and .30 calibre rods	3590		8 10 0	
	.243 Rod extra	3592		10 0	
	.270 " "	3592		10 0	
112	Greenkat Prismatic Spotting Scope	3630		22 11 0	
	" SS2	3638		11 2 6	
113	" 8-25X Zoom Spotting Scope	3639	SR	9 0 0	
	" Monocular Kit	3637	M300	9 10 0	
114	"Close-up" Telescope Stand	4790	227M	6 7 6	
115	"Sensitive" Scope Tripod	4792	227JL	4 10 0	
	Coiled Spring Clamp Standard	4792A		7 6	
	" " " Long	4792B		7 6	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article		Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
117	Grand Prix (all except 1⅛oz.)	per 100	8800		3 1 11	16 7
	Impax	,,	8800		3 0 11	16 4
	"Twenty Gauge"	,,	8800		3 1 11	16 7
	"Two Inch"	,,	8800		3 1 11	16 7
	410 Extra Long 3″	,,	8800		3 13 10	19 8
	410 Four Long 2½″	,,	8800		2 10 8	13 7
	410 "Fourten" 2′	,,	8800		2 7 6	12 9
118	Olympic Trench	,,	8800		3 19 8	1 1 10
	Skeet	,,	8800		3 2 11	16 10
	Trainer	,,	8800		2 17 7	15 5
	Trapshooting	,,	8800		3 2 11	16 10
	Tracer	per 10	8800		16 7	4 5
	Grand Prix High Velocity 1⅛oz.	per 100	8800		3 2 11	16 10
119	Large Bores	,,	8800		prices upon application	
	Magnum 3″	,,	8800		5 2 11	1 7 7
	Magnum 2¾″	,,	8800		4 16 5	1 5 10
	Alphamax	,,	8800		4 4 7	1 2 8
	Hymax	,,	8800		3 15 4	1 0 2
	Maximum	,,	8800		3 11 2	19 1
120	Buckshot & Ball Loads		8800		prices upon application	

Standard Packing for Shot Gun Cartridges
Cartons of 25 and outer packing of 250 (except 4, 8 & 10 gauges) of one quality gauge and shot size per case. An EXTRA charge of 2/6 per 100 will be made for cartridges supplied other than in standard size packing.

121	22(LR) Tenex	per 1,000	8801		prices upon application
	22(LR) Match	,,	8801		
	22(LR) Rifle Club	,,	8801		
	22(LR) Pistol Match	,,	8801		
	22(LR) Pistol	,,	8801		
	22(Short) Pistol Match	,,	8801		
122	22(Short) High Velocity Solid	,,	8801		
	22(Short) High Velocity Hollow	,,	8801		
	22(LR) High Velocity Solid	,,	8801		
	22(LR) High Velocity Hollow	,,	8801		
	22(LR) Smokeless Hollow	,,	8801		
	(For use with Rifles fitted with Sound Moderators)				
	22 (Short) Solid	per 1,000	8801		
	22 Long Rifle Shot	per 100	8801		
	No. 3 (9mm.) Long Shot	,,	8801		
126	NORMA RIFLE AMMUNITION				
	22 Hornet	per 100	8840		4 10 0
	220 Swift	,,	8840		6 13 4
	222 Remington	,,	8840		5 10 0

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article		Analysis Code	List No	Recommended Retail £ s d	+ Purchase Tax £ s d
126	NORMA RIFLE AMMUNITION					
	.22/250 Winchester	per 100	8840		6 13 4	
	.243 Winchester	„	8840		7 8 0	
	.270 Winchester	„	8840		8 4 0	
	7×47mm	„	8840		8 4 0	
	.30 cal. U.S. Carbine	„	8840		4 17 0	
	.30/30 Winchester	„	8840		6 8 0	
	.308 Winchester	„	8840		8 4 0	
	.308 Norma Magnum	„	8840		10 12 0	
	.30/06	„	8840		8 5 0	
	.300 H. & H.	„	8840		10 4 0	
	.303 British	„	8840		8 5 0	
	.375 H. & H. Magnum	„	8840		11 4 0	
	NORMA PISTOL AMMUNITION					
	.30 Luger		8841	88	2 18 6	
	.32 S. & W.		8841	265	2 13 0	
	.32 ACP		8841	86	3 4 0	
	.38 S. & W.		8841	216	3 3 0	
	.38 ACP		8841	260	3 10 0	
	.38 Special Hollow Point		8841	274	3 18 0	
	.38 Special Wadcutter		8841	96	3 8 0	
	.38 Special Hollow Point		8841	269	3 8 0	
	.38 Special Full Jacket		8841	270	3 18 0	
	.38 Special Lead Round Nose		8841	271	3 8 0	
	.357 Magnum Full Jacket		8841	268	4 6 0	
	.357 Magnum Soft Point		8841	272	4 4 0	
	.357 Magnum Hollow Point		8841	273	4 4 0	
	9mm. Luger Armour Piercing		8841	211	4 0 0	
	9mm. Luger Hollow Point		8841	173	4 0 0	
	9mm. Luger Full Jacket		8841	91	3 15 0	
	.44 Magnum Hollow Point		8841	166	6 4 0	
	.44 Magnum Soft Point		8841	175	6 4 0	
	.45 ACP Full Jacket		8841	261	4 13 0	
	.45 ACP Hollow Point		8841	264	4 13 0	
138	.177 Webley Pellets	per 500	8880A		3 1	11
	.22 „ „	„	8880B		4 8	1 3
	.177 Pylarm Pellets	„	8881A		2 11	1 0
	.22 „ „	„	8881B		4 3	1 6
	.177 Wasp Pellets	„	8882A		3 5	11
	.22 „ „	„	8882B		4 7	1 4
143	Celluloid Covered Cleaning Rod		6001	17CA	10 6	2 7
	„ „ „ „		6002	22A	15 9	
	„ „ „ „		6003	22AL	15 9	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
143	Celluloid Covered Cleaning Rod	6004	22ALX	18 9	
	,, ,, ,, ,,	6006	22C	10 0	
	,, ,, ,, ,,	6008	25A	15 9	
	,, ,, ,, ,,	6010	27AL	15 9	
	,, ,, ,, ,,	6015	35A	1 2 6	
	,, ,, ,, ,,	6016	35A2	1 7 0	
	Blacked Steel Rods	6023	17CS	8 3	2 0
	,, ,, ,,	6025	22CS	8 6	
	,, ,, ,,	6026	27CS	10 0	
144	Pistol Cleaning Rod	6017B	PRH1	7 6	
	,, ,, ,,	6018B	PBH1	12 0	
	,, ,, ,,	6017E	PRH2	8 3	
	,, ,, ,,	6018E	PBH2	13 0	
	,, ,, ,,	6017F	PRH3	8 3	
	,, ,, ,,	6018F	PBH3	13 0	
	,, ,, ,,	6017G	PRH4	10 0	
	,, ,, ,,	6018G	PBH4	13 6	
	Safari Cleaning Rod	6050E	27AD3	15 9	
	,, ,, ,,	6050B	22AD3	14 3	
145	Suparod Cleaning Rod	6055	LSR2	1 1 9	5 4
	,, ,, ,,	6055A	LSR3	1 3 4	6 0
	Safari Cleaning Rod	6050	LDR3	16 6	4 0
146	Wooden Shot Gun Rod Set	6060	RW2	18 9	4 7
	Hunter Rod Sets, 1 piece	6065	HR1	7 6	1 6
	,, ,, ,, 2 Piece	6066	HR2	10 0	2 6
	,, ,, ,, 3 piece	6067	HR3	12 9	3 2
	"400" Rod Set	6070	40AD3	1 3 6	
147	"Safari" Cleaning Outfit	6201	SO1	2 17 9	8 0
	,, ,, ,,	6205	GO1	2 10 4	5 8
	,, ,, ,,	6202	SO2	2 17 9	1 1
	,, ,, ,,	6211	RO2	2 11 9	1 1
	,,	6203	SO3	2 18 3	7
	,, ,, ,,	6212	RO3	2 11 9	7
148	"Handy" Cleaning Outfit	6206	GO2	1 8 10	5 2
	"Clansman" Pistol Outfit	6213	PCS2	1 1 6	7
	,, ,, ,,	6214	PCS3	1 1 6	7
	,, ,, ,,	6215	PCS4	19 9	3
	,, ,, ,,	6216	PCS6	19 9	3
	,, ,, ,,	6217	PCS7	19 9	3
149	Hogs Bristle Brush	6110A	BB17	2 0	6
	,, ,, ,,	6110B	BB22	2 0	
	,, ,, ,,	6111E	BB30	2 0	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
149	Hogs Bristle Brush	6111G	BB40	2 6	
	" " "	6111J	BB50	2 6	
	Nylon Filament Brush	6120A	NB17	2 3	7
	" " "	6120B	NB22	2 3	
	Nylon Filament Brush	6121D	NB27	2 3	
	" " "	6121E	NB30	2 3	
	" " "	6121F	NB35	2 6	
	" " "	6121G	NB40	2 6	
	" " "	6121H	NB45	2 6	
	" " "	6121J	NB50	2 6	
	Phosphor Bronze Brush	6130A	PB17	2 9	8
	" " "	6130B	PB22	2 9	
	" " "	6130C	PB24	2 9	
	" " "	6130D	PB27	3 0	
	" " "	6130E	PB30	3 0	
	" " "	6130F	PB35	3 0	
	" " "	6130G	PB40	3 3	
	" " "	6130H	PB45	3 3	
	" " "	6130J	PB50	3 3	
	Phosphor Bronze Wire Scourer	6146B	BS22	3 3	
	" " " "	6146D	BS27	3 3	
	" " " "	6146E	BS30	3 3	
	" " " "	6146F	BS35	3 3	
	" " " "	6146H	BS45	3 3	
	Steel Wire Scourer	6143B	SS22	4 0	
	" " "	6143E	SS30	4 0	
	Inverted Wire Scourer	6144E	IS30	4 0	
	Wool Mop	6150B	WM22	2 0	
	" "	6150E	WM30	2 6	
	" "	6150G	WM40	2 6	
	" "	6150J	WM50	3 0	
150	Shot Gun Bristle Brush	6112Q	BB8	5 3	1 3
	" " " "	6112P	BB10	5 3	1 3
	" " " "	6112N	BB12	2 9	8
	" " " "	6112M	BB16	2 9	8
	" " " "	6112L	BB20	2 9	8
	" " " "	6112K	BB28	2 9	8
	" " " "	6111G	BB40	2 6	
	Shot Gun Nylon Brush	6122Q	NB8	5 3	1 3
	" " " "	6122P	NB10	5 3	1 3
	" " " "	6122N	NB12	3 0	9
	" " " "	6122M	NB16	3 0	9
	" " " "	6122L	NB20	3 0	9
	" " " "	6122K	NB28	3 0	9
	" " " "	6122G	NB40	2 6	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
150	Shot Gun Phosphor Bronze Brush	6132Q	PB8	6 0	1 6
	,, ,, ,, ,, ,,	6132P	PB10	6 0	1 6
	,, ,, ,, ,, ,,	6132N	PB12	4 0	1 0
	,, ,, ,, ,, ,,	6132M	PB16	4 0	1 0
	,, ,, ,, ,, ,,	6132L	PB20	4 0	1 0
	,, ,, ,, ,, ,,	6132K	PB28	4 0	1 0
	,, ,, ,, ,, ,,	6130G	PB40	3 3	
	Turks Head Wire Brush	6147N	TH12	3 3	10
	,, ,, ,, ,,	6147M	TH16	3 3	10
	,, ,, ,, ,,	6147L	TH20	3 3	10
	,, ,, ,, ,,	6147K	YH28	3 3	10
	Shot Gun Wool Mop	6152Q	WM8	3 3	10
	,, ,, ,, ,,	6152P	WM10	3 3	10
	,, ,, ,, ,,	6152N	WM12	3 0	9
	,, ,, ,, ,,	6152L	WM20	3 0	9
	,, ,, ,, ,,	6152K	WM28	3 0	9
	,, ,, ,, ,,	6150G	WM40	2 6	
151	Phosphor Bronze Wire Pistol Brush	6130A	PB17	2 9	8
	,, ,, ,, ,, ,,	6130B	PB22	2 9	
	,, ,, ,, ,, ,,	6130C	PB24	2 9	
	,, ,, ,, ,, ,,	6130E	PB30	3 0	
	,, ,, ,, ,, ,,	6130F	PB35	3 0	
	,, ,, ,, ,, ,,	6135H	RV7	3 3	
	Hogs Bristle Pistol Brush	6113A	BB17	2 0	6
	,, ,, ,, ,,	6113B	BB22	2 0	
	,, ,, ,, ,,	6113C	BB24	2 0	
	,, ,, ,, ,,	6113E	BB30	2 0	
	,, ,, ,, ,,	6113F	BB35	2 0	
	,, ,, ,, ,,	6136H	RB7	2 6	
153	Trueform Jag	6163B	J22	1 9	
	,, ,,	6163C	J24	2 0	
	,, ,,	6163D	J27	2 0	
	,, ,,	6163E	J30	2 0	
	,, ,,	6163F	J35	2 9	
	,, ,,	6163G	J37	3 0	
	Loop Cleaners	6170A	BL17	2 0	6
	,, ,,	6170B	BL22	2 0	
	,, ,,	6170D	BL28	2 0	
	,, ,,	6170G	BL40	2 0	
154	Nylon Jags	6161N	BJ12	3 6	10
	,, ,,	6161M	NJ16	3 6	10
	,, ,,	6161L	NJ20	3 6	10
	Wire Loop	6170N	WL12	2 5	9

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article		Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
155	Pullthrough Cleaner Bristle		6114B	PTB2	3 9	
	,, ,, ,,		6114E	PTB3	4 3	
	,, ,,		6114G	PTB4	4 9	
	Pullthrough Cleaner Nylon		6124B	PTN2	4 0	
	,, ,, ,,		6124E	PTN3	4 6	
	,, ,, ,,		6124G	PTN4	5 3	
	Pullthrough Cleaner Phosphor Bronze		6134B	PTW2	4 9	
	,, ,, ,, ,,		6134E	PTW3	5 0	
	,, ,, ,, ,,		6134G	PTW4	6 3	
	Shot Gun Pullthrough		6148	SB1	5 0	1 3
	,, ,, ,,		6148A	SGP	4 6	1 1
	Government Pullthrough		6149	186	2 6	
156	Youngs 303 Cleaner	Spray	6310A	D11	6 3	
	,, ,, ,,	4 oz	6310C	193T	3 0	
	,, ,, ,,	4 oz	6310D	193TV	4 9	
	,, ,, ,,	½ pt	6310E	193A	5 0	
	,, ,, ,,	1 pt	6310F	194	8 3	
	,, ,, ,,	1 qt	6310G	195	14 3	
	,, ,, ,,	1 gall	6310H	195A	2 2 0	
	5 gallon Drum		6310J		8 5 0	
157	Express Oil	4 oz	6330B	LO4	1 9	
	,, ,,	Spray	6330A	LO5	5 9	
	"Releasall"	8 oz	6352		2 4	
	Rangoon Oil	4 oz	6340	500	3 6	
	Rocket WD 40		6390		9 9	
158	G66 Solid Gun Blue Cream		6361		18 0	
	G66 Gun Sight Black		6370		7 6	
	G66 Leather & Boot Waterproofing		6353		12 9	
	G66 Fabric & Leather Waterproofing		6354		18 0	
159	G66 Insect Repellant		6380		10 0	2 6
	G66 Silicone Gun & Reel Cloth		6381		7 0	
	G66 Fisherman's Hand Cleaner		6382		7 8	2 1
	Mars Oil		6351		4 8	
	Jute Tow		6440	JT1	4 9	
160	Flannelette Patches		6410	F1	2 9	3
	,, ,,		6412	F11	1 5 0	2 3
	,, ,,		6413	F2	2 9	3
	,, ,,		6414	F3	2 9	3
	"Forbytoo" Flannelette Roll		6420	187B	2 5 0	4 2
	,, ,, ,,		6420A	187C	6 9	8
	Shot Gun Patches		6425	155B	2 9	3
161	Motty Rifle Paste		6371	286	2 9	
	Never Nickel		6372	400	4 9	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
162	Comet Super Blue	6360	CGB4	6 3	
	" " "	6360B	CGB80	7 2 6	
	Old English Gun Blue	6362	EGB4	12 0	
	" " " "	6362A	EGB6	2 15 0	
	" " " "	6362B	EGB7	5 10 0	
	Boiling Tank	6363		4 10 0	
165	Rifle Sling	8070A	214S	1 10 6	
	" "	8070B	214H	1 16 6	
	" "	8070C	214U	18 0	
	" "	8070D	214GB	19 6	
	" "	8070E	214R	12 9	
	" "	8070F	214G	12 9	
	Sling Keeper	8070	K1	10 0	
166	Cuff Sling	8060	214CS	1 12 0	
	" "	8060A	2141CS	1 12 0	
	" "	8060B	2143	1 12 0	
	Frazer-Parker Sling	8072	214Z	2 2 0	
	Web Sling	8070G	214P	15 9	
	" "	8070H	214Y	19 6	
	" "	8070J	2141Y	19 6	
167	Sportarget Sling	8070K	214AB	18 0	
	" "	8070L	214N	16 0	
	Shot Gun Sling	8080	SGS2	1 11 6	7 9
	Sling Eyes	4471A	NO 2	2 9	
	" "	4471C	NO 7	3 9	
	Sling Swivels 1"	4470B	NO 6	3 6	
	" " 1¼"	4470C	NO 6	3 6	
168	Sling Attachments 2'	4470D	216D	4 9	
	" " 1½"	4470E	216L	4 9	
	" " 1¼"	4470F	216M	4 9	
	" " 1"	4470G	216N	4 9	
	"Close Up" Sling Swivels 1"	4470H	216E	7 0	
	" " " " 1¼"	4470J	216J	7 0	
	" " " " 1½"	4470K	216G	7 0	
	" " " " 2"	4470L	216H	7 0	
	Clip Swivel	4470M	215H	7 0	
169	Sling Attachments	4470P	215J	6 6	
	" "	4470Q	215	6 6	
	" "	4470R	215F	7 0	
	" "	4470S	215E	7 0	
	" "	4470X	216F	6 6	
	" "	4470Y	216K	6 6	
	Rifle Rest	4475A	228B	6 9	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
170	Handstop with Stand	4473A	HRR1	15 9	
	Stand only	4473C		4 9	
	Trigger Shoe	4450A	TS8	11 6	
	Wristbandolier	4459	PW1	11 3	2 9
171	"Jubilee" Cartridge Box	4462	CB50	1 15 0	
	Cartridge Block	4464	CB22	4 0	
172	Fieldsman Rifle Cover	8016		2 10 6	12 4
	Rifle Covers	8005	CRC2	4 13 4	1 5 8
	,, ,,	8006	GRC3	3 6 8	18 4
	,, ,,	8011	GC47	1 3 4	5 8
173	Fieldsman Scope Case	8075		3 0 0	
	Handgun Case	8031	HGC1	1 5 6	6 3
174	Fieldsman Leg of Mutton Cover	8022		7 8 1	1 16 2
	Fieldsman Solid Blocked Leg of Mutton Cover	8023		8 3 1	1 19 11
175	Challenger Charger Case	8035		14 14 4	4 0 8
	Challenger Diamond Back Case	8036		14 0 5	3 17 1
176	Marksman Pistol Case	8037		4 18 10	1 7 2
	Fieldsman Model 30 De Luxe Case	8044		8 3 11	2 5 1
	Fieldsman Model 30 Standard Case	8045		6 12 0	1 16 4
177	Fieldsman Cartridge Bag and Game Carrier	8056		6 2 6	1 10 0
	Fieldsman Belted Cartridge Bag	8057		3 11 0	17 4
	Fieldsman Cartridge Bag	8058		3 7 6	16 6
178	Fieldsman Best Leather Belt	8051		2 3 0	10 7
	Simulated Leather Belt	8054		1 7 0	6 7
	Fieldsman Game Bag	8046		5 15 6	1 8 3
	Fieldsman Game Carrier	8047		13 0	3 3
179	All Weather Shooting Case	8040		21 17 3	6 0 3
	Spring Foresight Protector	8010C	FP1	3 3	
180	Willson Ear Protectors Model 258C	8577A		5 18 0	
	,, ,, ,, Model 153	8577B		3 19 6	
	Smith & Wesson Softbone Protectors	8580		7 5 0	
	Mallock Armstrong Ear Defenders	8575	ED1	15 0	
	Sonex Ear Plugs	8574		4 6	
181	Shooting/Fishing Jacket	8085		14 2 6	1 2 6
	Overtrousers	8085A		4 3 6	6 6
182	Skeet Vest	8086		4 3 6	6 6
	Skeet Jacket	8087		5 15 10	9 2

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
183	Model DS Vest	8094		2 1 6	3 10
	Model H Vest	8097		2 1 6	3 10
184	Skeet Cap	8082		1 12 5	2 7
	Shooting/Fishing Hat	8083		1 13 4	2 8
	Deerstalker	8084		1 14 8	2 10
185	Shooting Jacket, Ventile	8090A	SJ1	11 9 3	18 3
	,, ,, Gabardine	8090C	SJ2	7 19 0	12 6
	Shooting Glove	8065	TGG1	1 19 5	3 7
	,, ,,	8065A	TGG2	1 19 5	3 7
186	Elbow Pads	6550	218Q	1 11 6	2 11
	,, ,,	6550A	218W	1 19 0	3 7
	,, ,,	6550B	218X	1 15 3	3 3
	,, ,,	6550C	2184	2 10 3	4 7
	Coat Patches				
	Shoulder Piece	6551	218S	6 0	7
	Elbow Piece	6551A	218V	6 0	7
	Set of Three	6551B	218T	18 0	1 8
187	Pachmayr Recoil Pads				
	Field Model	8571A	JF325	2 2 0	
	,, ,,	8571B	LF325	2 2 0	
	,, ,,	8571C	SF325	2 2 0	
	Skeet Model	8571D	JS325	2 2 0	
	,, ,,	8571E	LS325	2 2 0	
	,, ,,	8571F	SS325	2 2 0	
	Smooth Model	8571G	LFMS325	2 2 0	
	,, ,,	8571H	SFMS325	2 2 0	
	,, ,,	8571J	LSMS325	2 2 0	
	Trap Model	8571K	JT325	2 12 6	
	,, ,,	8571L	LT325	2 12 6	
	,, ,,	8571M	ST325	2 12 6	
188	Parker-Hale "Safari" Anti-Recoil Pads	8570	RP3	19 6	
	,, ,, ,, ,, ,, ,,	8570A	RP4	16 6	
	Parker-Hale Rubber Butt Plate	8572	RP5	15 0	
	Parker-Hale Ribbed Rubber Butt Shoe	8569	RP22	8 3	
	,, ,, ,, ,, ,, ,,	8569A	RP1	10 0	
189	Webley Target Launcher	8961		3 14 6	1 0 1
	Eley Handflinger	8960		1 7 5	7 4
	Clay Targets	8940		2 1 0	11 0
190	Eley Minor "K" Trap	8941		9 4 6	2 9 6
	Eley "Plus" Trap	8941A		24 12 0	6 12 0

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article		Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
191	Re and De-Capper		8562	RC1	1 14 0	
	Turnover		8563	TO1	2 8 0	
	Paper Cartridge Resizer		8564	RST1	9 8	
	Powder and Shot Measures	per set	8565	PM1	1 2 0	
	Steel Wad Punches		8566	WP1	13 4	
192	R.C.B.S. Reloader Special		8557		28 12 6	
	Powder Trickler		8558		2 7 6	
	Powder Measure		8559		12 17 6	
	De-burring Tool		8567		2 5 0	
	Norma Reloading Components					
	Unprimed Cases					
192	Pistol .32 ACP		8842	779	1 16 0	
	,, .32 S & W		8842	851	1 10 0	
	,, .45 ACP		8842	850	2 13 0	
	,, .38 ACP		8842	849	1 13 0	
	,, .38 S & W		8842	820	1 15 0	
	,, .38 (Spl)		8842	782	2 4 0	
	,, .357 Mag.		8842	806	2 6 0	
	,, 9mm. Luger		8842	781	2 4 0	
	,, .44 Mag.		8842	808	3 8 0	
	Rifle .222 Rem.		8842	752	3 0 0	
	,, .243 WIN		8842	753	4 0 0	
	,, .270 WIN		8842	760	4 8 0	
	,, .30/06		8842	766	4 10 0	
	,, .308 WIN		8842	765	4 8 0	
	,, .308 NM		8842	811	5 16 0	
	,, 7mm. REM Mag.		8842	826	5 12 0	
	,, .375 H & H		8842	778	6 4 0	
	Bullets					
	Pistol .32 ACP		8843	555	1 4 0	
	,, .32 S & W		8843	698	1 0 0	
	,, .38 S & W		8843	605	1 2 0	
	,, .380 ACP		8843	646	1 10 0	
	,, .45 ACP		8843	692	1 13 0	
	,, .357 Mag.		8843	689	1 18 0	
	,, .35 Spl. LRN		8843	559	1 2 0	
	,, .38 Spl. WC		8843	558	1 2 0	
	,, 9mm. Luger		8843	557	1 14 0	
	,, .44 Mag.		8843	577	2 4 0	
	Rifle .22 50gr. SPSP		8843	607	1 4 0	
	,, .22 50gr. FJSP		8843	608(502)	1 4 0	
	,, .22 55gr. SPSP		8843	609	1 4 0	
	,, .243 100gr. SPSP		8843	566	1 14 0	
	,, .243 75gr. HP		8843	503	1 12 0	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article	Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
192	Rifle .270 110gr. SPSP	8843	621	1 15 0	
	,, .270 130gr. SPSPBT	8843	515	1 18 0	
	,, .270 150gr. SPSPBT	8843	518	1 18 0	
	,, .30 130gr. SPSPBT	8843	529	1 17 0	
	,, .30 150gr. SPSPBT	8843	630	1 18 0	
	,, .30 180gr. SPSPBT	8843	634(528)	2 0 0	
	,, .30 180gr. SP Dual Core	8843	578	2 8 0	
	,, .375 300gr. SP	8843	641(554)	2 16 0	
	,, 7mm. 150gr. SPPBT	8873	520	2 0 0	
	,, 7mm. 175gr. SPRN	8843	522	2 4 0	
193	Face Mask	8063		7 10	2 2
	Gun Hand Protector	8579	HP12	1 11 2	8 10
	Finger Guard	8576	TG1	5 6	
	Nylon Snap Cap	4525	NC1	5 6	1 4
	Metal Snap Cap	4526		6 0	1 6
	Cartridge Extractor (Hook)	4520	FH1	6 3	
	,, ,, (Ring)	4520A	FH2	4 3	
	,, ,, Spring Clip	4520B	SC1	7 6	
194	Improved Pigeon Decoy	8590	IPD	5 7	1 7
	Gloucester Pigeon Decoy	8590A		9 0	2 3
	,, Duck Decoy	8590B		14 1	3 5
	,, Drake Decoy	8590B		14 1	3 5
195	Game Decoys and Bird Effects				
	Duck	8591A	572	8 0	2 0
	Goose	8591B	261	11 6	2 10
	Crow	8591C	259	5 7	1 5
	Jay	8591D	263	7 3	1 9
	Plover	8591E	286	10 5	2 7
	Curlew and Peewit	8591F	553	10 5	2 7
	Pigeon and Dove	8591G	500	16 0	4 0
196	Alarm Gun	8593	SAG2	3 3 6	
	Trip Wire	8593A	SAW1	16 0	
	Silent Dog Whistle	8595	STYLE B	14 1	1 5
197	Gamebird Seat Stick	8587A	H1	2 10 4	12 3
	,, ,, ,,	8587B	H4	6 0 0	1 9 4
	,, , ,,	8587C	H6	7 6 3	1 15 9
	,, ,, ,,	8587D	H8	7 17 6	1 18 6
	Gamebird Tripod Seat	8588	H24	4 16 0	
	,, ,, ,,	8588A	H25	5 12 6	

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

IMPORTANT
PURCHASE TAX MUST BE ADDED TO RECOMMENDED RETAIL PRICES BY U.K. CUSTOMERS

Page	Article		Analysis Code	List No.	Recommended Retail £ s. d.	+ Purchase Tax £ s. d.
198	Bisley Rifle Vice "A"		4510A	MODEL A	8 5 0	
	" " " "B"		4510B	MODEL B	7 10 0	
199	Steel Clips for Service Rifles		8556	SSC1	2 0	
	" " " " "		8556A	SSC2	6 6	
	Gun Rack Hook	per pair	8555	GRH1	7 6	
	Sterling's Pocket Tool		8597	SPT1	8 3	
	Terrys Pocket Screwdriver		8598	TPS1	2 3	
200	Ease-E-Load "Major"		8545		3 16 9	
	Ease-E-Load "Minor"		8545A		3 1 6	
	Mudlark		8547		1 10 11	8 7
202	Instruction Manual		8930	240A	14 0	
	Score Book		8931	240D	13 4	3 8
	Complete Score Book and Manual		8932	240AD	1 7 4	3 8
	Rifle Shots Register		8933	240	5 3	1 3
203	Score Cards	per doz.	8934	S1	1 8	6
		per 100	8934	S1	13 4	3 8
	Loose Leaf Score Book		8935	LL5	1 1 0	5 9
	Loose Leaf Cover only		8935A	LL6	11 4	3 2
	Loose Leaves	per doz.	8935B	LLR1	1 8	6

OVERSEAS CUSTOMERS SHOULD DISREGARD PURCHASE TAX

PARKER-HALE GUN CATALOGUE Nº 70

7/6